

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:

**June
2005**

Arnold Schwarzenegger
Governor
State of California

Mike Chrisman
Secretary for Resources
The Resources Agency

Lester A. Snow
Director
Department of Water Resource

This monthly report of operational data for the State Water Project has been published since January 1965. Monthly SWP Operations Data Reports from January 1990 have been made available on the Internet at <http://wwwoco.water.ca.gov>. It provides the State Water Service Contractors, public agencies, consultants and others with the daily and monthly status of the Project's water and power operations.

Rewvisions to these data will appear in the Annual Report of Operations reflecting corrections made after the monthly summaries have been printed.

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The organization shown above represents staff and positions relevant to this report as of the publication date.
It is the Department's policy to not show staff in "Acting" or "Temporary" positions.

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MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of June 2005.

Statewide precipitation was 150 percent of average for the 2004-2005 water year through June 30, 2005. Statewide runoff was 105 percent of average for the water year. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the internet at: "http://cdec.water.ca.gov/snow_rain.html".

On June 30, 2005, total storage in major SWP reservoirs was about 4.91 MAF, compared with about 3.83 MAF at this time in 2004. The average year-to-date monthly total storage in the major SWP reservoirs at the end of June was about 4.29 MAF. The June 30 storage at Lake Oroville was about 3.48 MAF as compared to 2.76 MAF at this time in 2004. The State's share of San Luis Reservoir storage was about 763 TAF, as compared with 435 TAF at this time in 2004. On June 30, the combined storage in our southern reservoirs was about 666 TAF, compared with about 633 TAF at this time in 2004.

On June 9 and 10, Polonio Plant was unavailable for a period of time each day for dredging of the Forebay.

On June 14, an earthquake of magnitude 7.0 occurred at 19:50 about 90 miles off the coast of Crescent City, California. No damage reported or inspections required.

On June 21, Delta Field Division reported 300 gallons of Komeen were accidentally spilled and contained in Clifton Court Forebay. Proposition 65 coordinator was notified along with Water Quality and Contra-Costa Health Department.

On June 23, Delta Area Control Center reported to San Luis Area that Merced CHP reported an accident south of Santa Nella near the California Aqueduct. A person reportedly went into the canal. CHP requested San Luis Security to aid in the search for this person in the canal.

On June 27, San Luis Water Operations reported a body found in Pool 13 at mile marker 75.10. All personnel and equipment were kept clear of the site.

On June 27, Dept. of Parks and Recreation reported an algae bloom in the middle fork of the Feather River of Lake Oroville. The bloom was approximately one mile long. Northern District took water samples and two vertical phytoplankton tows in the bloom and sent to Bryte Lab.

The Coordinated Operations Agreement (COA) remained in "Excess" conditions throughout the month of June.

Through June, SWP water deliveries for 2005 were about 2.25 MAF. This is a combination of project, transfer, and exchange waters. This is .18 MAF less than that delivered during the same period in 2004

Table 1. Antelope Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

June 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Supply Contract	Water Right					
May 31	5002.60	23,125									
1	5002.56	23,088	-37	5	0	0	54	7	66	47	
2	5002.52	23,050	-38	5	0	0	48	7	60	41	
3	5002.50	23,031	-19	5	0	0	45	7	57	47	
4	5002.48	23,012	-19	5	0	0	42	7	54	44	
5	5002.43	22,955	-57	5	0	0	36	8	49	20	
6	5002.41	22,947	-8	5	0	0	33	8	46	42	
7	5002.38	22,919	-28	14	0	0	29	8	51	37	
8	5002.38	22,919	0	20	0	0	29	8	57	57	
9	5002.43	22,955	36	20	0	0	36	8	64	82	
10	5002.42	22,956	1	20	0	0	34	8	62	63	
11	5002.39	22,928	-28	20	0	0	30	8	58	44	
12	5002.35	22,797	-131	20	0	0	26	8	54	-12	
13	5002.32	22,862	65	20	0	0	22	8	50	83	
14	5002.29	22,834	-28	20	0	0	19	8	47	33	
15	5002.26	22,806	-28	20	0	0	16	8	44	30	
16	5002.24	22,788	-18	20	0	0	14	8	42	33	
17	5002.24	22,788	0	20	0	0	14	8	42	42	
18	5002.24	22,788	0	20	0	0	14	8	42	42	
19	5002.23	22,788	0	20	0	0	13	8	41	41	
20	5002.20	22,750	-38	20	0	0	10	8	38	19	
21	5002.18	22,732	-18	20	0	0	9	8	37	28	
22	5002.16	22,713	-19	20	0	0	7	8	35	25	
23	5002.14	22,694	-19	20	0	0	6	8	34	24	
24	5002.10	22,657	-37	20	0	0	3	8	31	12	
25	5002.07	22,629	-28	20	0	0	2	8	30	16	
26	5002.05	22,611	-18	20	0	0	1	8	29	20	
27	5002.01	22,573	-38	20	0	0	0	8	28	9	
28	5002.00	22,564	-9	20	0	0	0	8	28	23	
29	5001.94	22,509	-55	20	0	0	0	8	28	0	
30	5001.92	22,490	-19	20	0	0	0	8	28	18	
Total cfs-days				---	504	0	0	592	236	1,332	1,012
Total ac-ft				-635	1,000	0	0	1,174	468	2,642	2,007

Table 2. Frenchman Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 55,477 ac-ft

June 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	1/ Water Supply Contract	Water Right				
May 31	5571.68	33,261								
1	5571.49	33,043	-218	0	84	0	0	9	93	
2	5571.36	32,895	-148	0	76	0	0	9	85	
3	5571.24	32,758	-137	0	64	0	0	9	73	
4	5571.25	32,770	12	0	60	0	0	9	69	
5	5571.15	32,656	-114	0	60	0	0	9	69	
6	5571.05	32,543	-113	0	45	0	0	9	54	
7	5570.96	32,441	-102	0	45	0	0	9	54	
8	5571.03	32,520	79	0	31	0	0	9	40	
9	5571.01	32,497	-23	4	23	0	0	9	36	
10	5571.06	32,554	57	3	18	0	0	9	30	
11	5571.09	32,588	34	0	18	0	0	9	27	
12	5571.05	32,543	-45	0	18	0	0	9	27	
13	5571.07	32,565	22	0	16	0	0	9	25	
14	5570.97	32,452	-113	0	11	0	0	9	20	
15	5570.93	32,407	-45	0	9	0	0	9	18	
16	5570.89	32,362	-45	0	8	0	0	9	17	
17	5570.90	32,373	11	0	8	0	0	10	18	
18	5570.88	32,351	-22	0	8	0	0	10	18	
19	5570.87	32,339	-12	0	8	0	0	10	18	
20	5570.85	32,317	-22	0	20	0	0	10	30	
21	5570.79	32,249	-68	0	28	0	0	10	38	
22	5570.76	32,216	-33	0	33	0	0	10	43	
23	5570.65	32,092	-124	0	30	0	0	10	40	
24	5570.60	32,036	-56	0	30	0	0	10	40	
25	5570.50	31,924	-112	0	30	0	0	10	40	
26	5570.47	31,891	-33	0	30	0	0	10	40	
27	5570.40	31,813	-78	0	36	0	0	10	46	
28	5570.36	31,768	-45	0	36	0	0	10	46	
29	5570.24	31,635	-133	0	36	0	0	10	46	
30	5570.17	31,557	-78	0	29	0	0	10	39	
Total cfs-days				---	7	948	0	0	284	
Total ac-ft				-1,704	14	1,880	0	0	564	
									1,239	
									380	
									754	

1/ Last Chance Creek Water District

Table 3. Lake Davis

Daily Operation
(in acre-feet except as noted)

Capacity: 84,371 ac-ft

June 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	Water Supply Contract	Water Right 1/				
May 31	5768.31	59,735								
1	5768.31	59,735	0	10	0	0	0	27	37	
2	5768.30	59,701	-34	8	0	3	0	27	38	
3	5768.30	59,701	0	6	0	4	0	27	37	
4	5768.26	59,568	-133	6	0	4	0	27	37	
5	5768.24	59,501	-67	6	0	4	0	27	37	
6	5768.23	59,468	-33	7	0	4	0	28	39	
7	5768.22	59,435	-33	7	0	4	0	28	39	
8	5768.27	59,601	166	6	0	4	0	28	38	
9	5768.30	59,701	100	6	0	4	0	28	38	
10	5768.30	59,701	0	6	0	4	0	28	38	
11	5768.33	59,801	100	6	0	4	0	28	38	
12	5768.33	59,801	0	6	0	4	0	28	38	
13	5768.31	59,735	-66	7	0	4	0	28	39	
14	5768.28	59,635	-100	7	0	3	0	28	38	
15	5768.24	59,501	-134	7	0	3	0	28	38	
16	5768.23	59,463	-38	7	0	4	0	28	39	
17	5768.25	59,535	72	7	0	4	0	28	39	
18	5768.25	59,535	0	7	0	3	0	28	38	
19	5768.23	59,463	-72	7	0	3	0	28	38	
20	5768.20	59,368	-95	6	0	4	0	28	38	
21	5768.18	59,302	-66	6	0	4	0	28	38	
22	5768.16	59,236	-66	6	0	4	0	28	38	
23	5768.15	59,202	-34	6	0	4	0	28	38	
24	5768.12	59,103	-99	6	0	3	0	28	37	
25	5768.10	59,037	-66	7	0	4	0	28	39	
26	5768.07	58,937	-100	7	0	3	0	28	38	
27	5768.05	58,871	-66	7	0	4	0	28	39	
28	5768.04	58,839	-32	6	0	3	0	28	37	
29	5768.01	58,739	-100	6	0	4	0	28	38	
30	5767.98	58,640	-99	6	0	4	0	28	38	
Total cfs-days			---	198	0	108	0	835	1,141	
Total ac-ft			-1,095	393	0	214	0	1,656	2,263	
									1,168	

1/ Includes unclassified non-project diversions to local agencies (Valberti and Romelli)

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537, 580 ac-ft

June 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow						Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal 2/	Deliveries to Lime Saddle Marina	Evaporation 3/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 4/
May 31	897.32	3,495,401									
	1	897.60	3,499,791	4,390	13,180	24	0	259	0	13,463	0
	2	897.67	3,500,888	1,097	12,086	24	0	361	0	12,471	0
	3	898.01	3,506,225	5,337	9,793	26	0	352	0	10,171	0
	4	898.27	3,510,310	4,085	11,792	28	0	280	0	12,100	0
	5	898.68	3,516,759	6,449	4,559	28	0	333	0	4,920	0
	6	898.97	3,521,325	4,566	10,004	30	0	298	0	10,332	0
	7	898.95	3,521,010	-315	11,608	30	0	235	0	11,873	0
	8	898.87	3,519,750	-1,260	14,150	30	0	217	0	14,397	0
	9	899.13	3,523,846	4,096	14,468	30	0	0	0	14,498	0
	10	898.86	3,519,592	-4,254	15,480	30	0	109	0	15,619	0
	11	898.79	3,518,490	-1,102	14,632	30	0	244	0	14,906	0
	12	899.38	3,527,787	9,297	4,669	30	0	317	0	5,016	0
	13	899.32	3,526,841	-946	12,755	30	0	354	0	13,139	0
	14	899.29	3,526,367	-474	11,548	28	0	389	0	11,965	0
	15	899.47	3,529,207	2,840	8,213	28	0	307	0	8,548	0
	16	899.32	3,526,841	-2,366	11,947	28	0	317	0	12,292	0
	17	898.98	3,521,482	-5,359	17,800	28	0	63	0	17,891	0
	18	898.67	3,516,601	-4,881	16,514	28	0	90	0	16,632	0
	19	898.40	3,512,354	-4,247	15,659	28	0	100	0	15,787	0
	20	897.86	3,503,870	-8,484	14,996	28	0	352	0	15,376	0
	21	897.59	3,499,634	-4,236	12,316	26	0	280	0	12,622	0
	22	897.42	3,496,969	-2,665	10,469	22	0	307	0	10,798	0
	23	897.13	3,492,425	-4,544	12,595	22	0	323	0	12,940	0
	24	896.91	3,488,981	-3,444	10,299	22	0	279	0	10,600	0
	25	896.63	3,484,601	-4,380	10,549	22	0	279	0	10,850	0
	26	896.92	3,489,138	4,537	3,903	22	0	297	0	4,222	0
	27	897.00	3,490,390	1,252	7,334	22	0	216	0	7,572	0
	28	896.89	3,488,668	-1,722	7,307	22	0	288	0	7,617	0
	29	896.55	3,483,350	-5,318	11,678	22	0	279	0	11,979	0
	30	896.36	3,480,831	-2,519	10,265	22	0	341	0	10,628	0
Total				-14,570	342,568	783	0	7,866	0	351,217	0
											336,647

1/ Includes bypass flows

2/ South Feather Water and Power Agency

3/ Evaporation will be zero for days when there is precipitation or heavy overcast.

4/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Daily Operation

(in acre-feet except as noted)

June 2005

Capacity: 25,120 ac-ft

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County 4/	Thermalito Irrigation District	Releases To River 5/	Hyatt Powerplant Pumpback	
May 31	24,091										
1	23,120	-971	13,180	511	0	13,404	1	9	1,245	0	-3
2	23,749	629	12,086	491	0	10,636	0	9	1,239	0	-64
3	23,844	95	9,793	491	0	8,922	1	9	1,236	0	-21
4	23,237	-607	11,792	512	0	11,641	0	9	1,228	0	-33
5	24,010	773	4,559	512	0	3,022	1	9	1,236	0	-30
6	24,022	12	10,004	510	0	9,028	0	9	1,232	0	-233
7	23,966	-56	11,608	511	0	10,816	1	9	1,230	0	-119
8	23,768	-198	14,150	511	0	13,576	0	9	1,247	0	-27
9	23,505	-263	14,468	512	0	13,904	1	9	1,245	0	-84
10	24,146	641	15,480	512	0	14,106	0	9	1,245	0	9
11	23,406	-740	14,632	509	0	14,556	0	9	1,247	0	-69
12	24,190	784	4,669	509	0	3,208	0	9	1,238	0	61
13	23,120	-1,070	12,755	512	0	13,039	0	9	1,238	0	-51
14	24,490	1,370	11,548	513	0	9,341	0	9	1,230	0	-111
15	23,796	-694	8,213	504	0	8,064	0	9	1,341	0	3
16	23,131	-665	11,947	406	0	11,158	0	9	1,331	0	-520
17	24,090	959	17,800	512	0	15,496	0	9	1,335	0	-513
18	24,284	194	16,514	512	0	15,026	0	9	1,333	0	-464
19	23,659	-625	15,659	513	0	15,252	0	9	1,319	0	-217
20	24,621	962	14,996	512	0	13,140	0	9	1,343	0	-54
21	24,390	-231	12,316	512	0	11,712	0	9	1,327	0	-11
22	23,917	-473	10,469	512	0	9,880	0	9	1,329	0	-236
23	24,125	208	12,595	512	0	11,464	0	9	1,331	0	-95
24	24,064	-61	10,299	513	0	9,384	0	9	1,325	0	-155
25	24,137	73	10,549	512	0	9,536	0	9	1,323	0	-120
26	23,705	-432	3,903	513	0	3,540	0	10	1,323	0	25
27	23,858	153	7,334	512	0	6,427	0	10	1,323	0	67
28	24,075	217	7,307	504	0	6,326	0	10	1,325	0	67
29	24,334	259	11,678	506	0	10,569	0	10	1,331	0	-15
30	24,321	-13	10,265	505	0	9,358	0	10	1,366	0	-49
Total		230	342,568	15,176	0	315,531	5	275	38,641	0	-3,062

1/ Sum of Thermalito Forebay and Diversion Pool.

4/ Includes 5 AF of entitlement water to Del Oro WD and 0 AF to Cal Water.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

5/ The sum of the flows from fish barrier dam and the fish hatchery.

3/ Includes Bypass flows at Thermalito.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

June 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
May 31	130.47	33,731										
1	131.16	36,115	2,384	13,404	3,074	22	692	1,575	5,296	0	-361	6,541
2	131.06	35,765	-350	10,636	3,055	26	682	1,565	5,712	0	54	6,951
3	130.65	34,346	-1,419	8,922	3,114	28	740	1,672	4,721	0	-66	5,957
4	131.28	36,538	2,192	11,641	3,174	28	762	1,753	3,729	0	-3	4,957
5	129.35	30,025	-6,513	3,022	3,134	22	756	1,765	3,332	0	-526	4,568
6	129.52	30,575	550	9,028	3,055	13	783	1,680	2,955	0	8	4,187
7	130.22	32,887	2,312	10,816	3,114	8	833	1,581	2,757	0	-211	3,987
8	131.79	38,358	5,471	13,576	3,094	6	744	1,527	2,757	0	23	4,004
9	132.57	41,222	2,864	13,904	3,035	3	639	1,363	5,970	0	-30	7,215
10	132.76	41,934	712	14,106	2,936	16	526	1,184	8,747	0	15	9,992
11	133.08	43,147	1,213	14,556	2,896	26	460	1,020	8,708	0	-233	9,955
12	130.76	34,724	-8,423	3,208	2,876	26	440	916	7,160	0	-213	8,398
13	131.74	38,178	3,454	13,039	2,856	28	409	887	5,177	0	-228	6,415
14	132.07	39,375	1,197	9,341	2,876	26	361	887	3,749	0	-245	4,979
15	131.93	38,865	-510	8,064	2,856	26	345	918	4,304	0	-125	5,645
16	131.39	36,927	-1,938	11,158	2,916	26	401	936	9,065	0	248	10,396
17	131.48	37,247	320	15,496	2,856	22	391	912	10,751	0	-244	12,086
18	131.47	37,211	-36	15,026	2,777	20	377	863	10,751	0	-274	12,084
19	131.61	37,711	500	15,252	2,698	20	383	837	10,691	0	-123	12,010
20	131.69	37,998	287	13,140	2,678	20	387	891	8,668	0	-209	10,011
21	131.99	39,083	1,085	11,712	2,717	24	387	994	6,684	0	179	8,011
22	132.14	39,631	548	9,880	2,737	26	401	1,099	4,701	0	-368	6,030
23	133.10	43,223	3,592	11,464	2,757	28	422	1,198	3,749	0	282	5,080
24	133.25	43,797	574	9,384	2,777	26	486	1,331	3,749	0	-441	5,074
25	133.47	44,646	849	9,536	2,817	18	571	1,472	3,749	0	-60	5,072
26	132.04	39,266	-5,380	3,540	2,817	12	587	1,626	3,729	0	-150	5,052
27	131.37	36,856	-2,410	6,427	2,896	11	623	1,706	3,372	0	-229	4,695
28	130.46	33,697	-3,159	6,326	3,035	11	631	1,765	3,352	0	-691	4,677
29	131.01	35,590	1,893	10,569	3,074	14	720	1,902	2,955	0	-11	4,286
30	131.12	35,975	385	9,358	3,174	24	801	2,003	2,955	0	-16	4,321
Total		2,244		315,531	87,870	601	16,740	39,830	163,995	0	-4,251	202,636

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

Table 7. Oroville-Thermalito Complex

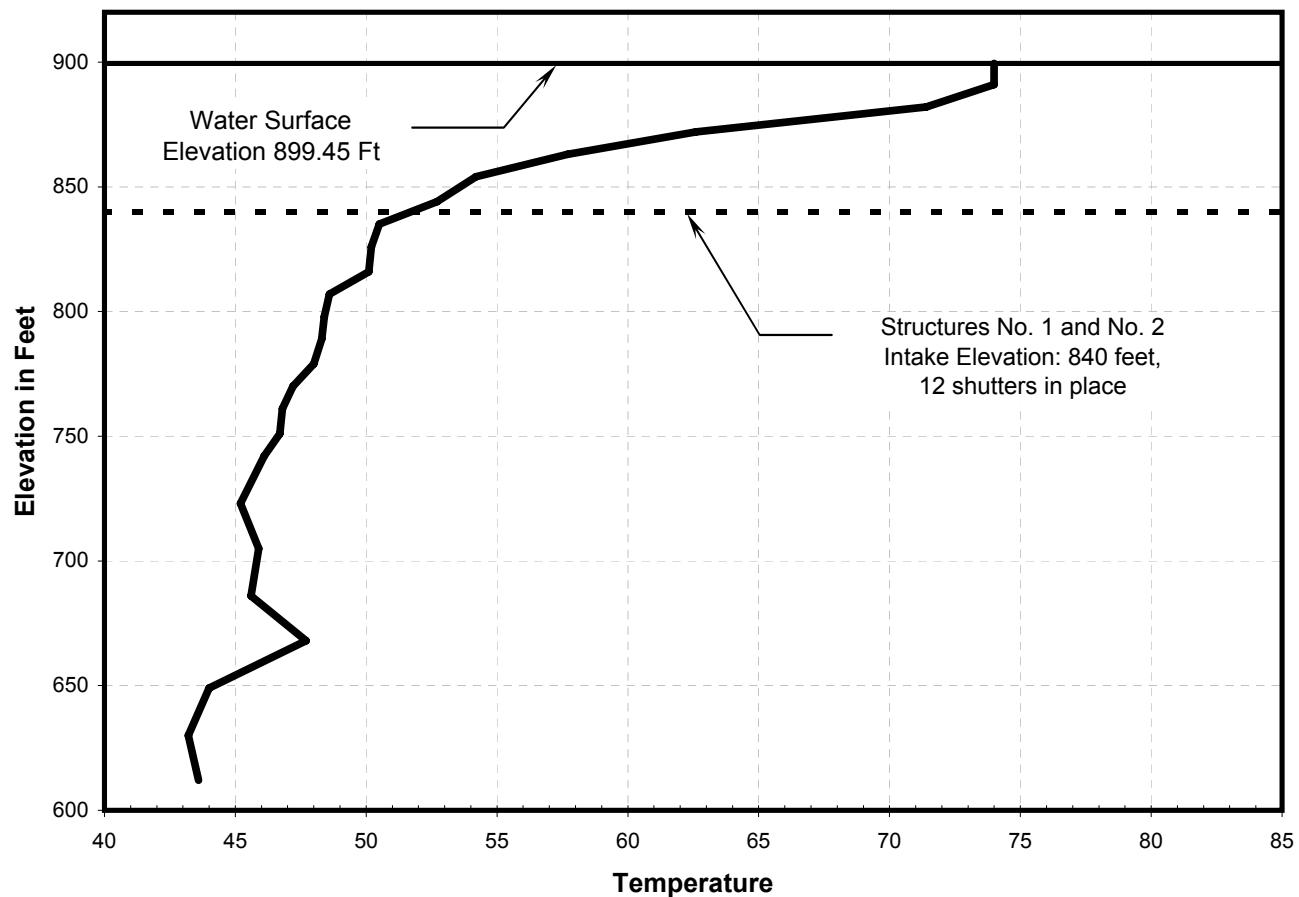
Water Temperature Data

(in degrees Fahrenheit)

June 2005

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	67	55
2	64	56
3	65	55
4	64	55
5	66	55
6	64	55
7	64	55
8	62	55
9	61	55
10	62	56
11	62	56
12	64	56
13	64	56
14	65	56
15	65	56
16	63	55
17	61	55
18	59	56
19	60	57
20	61	57
21	62	57
22	64	57
23	65	57
24	65	57
25	65	56
26	66	57
27	66	57
28	68	58
29	69	58
30	70	58

**Lake Oroville Temperature Profile
on June 15, 2005**



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

June 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending		Structure			Table A Amount		Permit	Article 21	
	No.	Structure	Mile	M & I		Benicia				
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	5,080	209 408 1,826	210	292		
		Travis Surge Tank	8.78							
			8.80	Solano County Water Agency Travis AFB	419					
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	408					
				Solano County Water Agency Fairfield / Vacaville 42"	1,826					
			17.00	Solano County Water Agency Central Solano	Stub					
3A	2	Cordelia Forebay	21.23			1/ 313 1,140	2	132	443	
		Cordelia Pumping Plant & Cordelia Spillway	21.30							
		Napa Pipeline	21.33	Solano County Water Agency Vallejo	605					
				Solano County Water Agency Benicia	1,140					
		Cordelia Surge Tank	23.33							
		Creston Surge Tank Connection	25.65							
3B	2		26.95	Napa County Flood Control & WCD American Canyon 2	2	2	132	443		
			27.27	Napa County Flood Control & WCD American Canyon 3	0					
		Napa Terminal Tank	27.58	City of Napa	132					
			27.60	Napa County Flood Control & WCD American Canyon 1	443					

1/ Napa Co. FC&WCD Entitlement through Solano Co.'s turnout (Reach 3A) for delivery to American Canyon.

Table 9. Delta Field Division Plant Data

(in acre-feet)

June 2005

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	116	72	7,864	7,864	430	0	0	0
2	176	85	6,806	6,806	479	0	0	0
3	189	81	6,788	6,788	492	0	0	0
4	172	73	6,865	6,865	523	0	0	0
5	174	83	10,376	10,376	502	0	0	0
6	171	81	9,094	9,094	531	0	0	0
7	165	81	10,400	10,400	550	0	0	0
8	163	78	11,554	11,554	590	0	0	0
9	144	71	12,862	12,862	581	0	0	0
10	160	76	12,999	12,999	595	0	0	0
11	136	75	13,268	13,268	610	0	0	0
12	174	79	13,502	13,502	547	0	0	24
13	153	64	13,001	13,001	516	0	0	68
14	152	64	12,848	12,848	519	0	0	29
15	164	59	12,653	12,653	588	0	0	12
16	155	58	11,639	11,639	613	0	0	0
17	150	64	11,842	11,842	597	0	0	0
18	159	74	11,837	11,837	600	0	0	0
19	148	69	11,799	11,799	585	0	0	6
20	182	79	9,975	9,975	453	0	0	134
21	183	83	2,376	2,376	356	0	0	218
22	189	82	0	0	396	0	0	199
23	187	81	14,915	14,915	498	0	0	126
24	177	80	13,425	13,425	550	0	0	42
25	190	87	13,123	13,123	604	0	0	0
26	194	88	13,132	13,132	601	0	0	0
27	171	87	12,944	12,944	621	0	0	3
28	201	98	13,032	13,032	567	0	0	17
29	194	87	13,054	13,054	635	0	0	16
30	191	84	12,867	12,867	641	0	0	8
Total	5,080	2,323	326,840	326,840	16,370	0	0	902

Table 10. Clifton Court Forebay

Daily Operation of Gates

June 2005

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1	0:01	13:00							7,931
2	0:01	1:00	4:15	10:30	13:30	15:02			6,903
3	0:01	1:45	5:00	10:35					6,958
4	0:01	2:30	5:30	10:50					6,940
5	0:01	3:30	6:00	12:30	15:30	18:10			10,890
6	0:01	4:00	6:45	13:15	16:16	18:05			9,912
7	0:01	4:45	7:16	13:45	17:45	20:05			10,905
8	0:01	5:30	7:46	14:30	18:01	20:30			10,896
9	0:01	6:15	8:30	15:00	18:00	21:40			13,245
10	0:01	7:00	9:00	15:45	18:45	21:20			13,236
11	0:01	8:00	9:45	16:30	19:30	21:00			13,249
12	0:01	9:00	10:30	15:15					13,245
13	0:01	10:00	11:15	16:52					13,229
14	0:01	11:15	12:15	18:30	21:30				13,249
15		12:15	14:00	18:40					13,231
16	0:02	13:00	15:00						13,229
17		0:01	3:30	10:00	13:00				13,238
18		1:00	4:00	10:30	13:30				12,246
19		1:45	4:45	11:15	14:15				12,380
20		2:45	5:30	12:00	15:26				11,116
21		3:30							2,222
22									0
23	7:46	14:15	17:16						12,516
24		6:00	8:30	15:15	18:15	21:30			13,234
25	0:01	7:00	9:01	16:00	19:01	21:42			13,245
26	0:01	8:00	10:30	16:30	19:45	22:15			13,232
27	0:30	9:30	11:30	17:45	20:45	23:20			13,246
28	0:01	10:45	12:45	18:30	21:30				12,777
29		8:00	11:00	19:19	21:18	22:15			13,241
30	2:45	9:00	12:00	22:15					13,288
Total inflow for the month in AF:									333,229

Table 11. Governor Edmund G. Brown California Aqueduct
 Delta Field Division, Monthly Deliveries

(In acre-feet)

June 2005

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Table A Amount	USBR	Local	Loan Water	Dry Year Purchase	
	No.	Structure	Mile							
1	Banks Pumping Plant	3.32		326,840	58	38				
	South Bay Pumping Plant	4.49	Bethany Reservoir Inlet	16,370						
	Check No. 1	5.95								
		8.08	Alameda Co. Zone 7 WA Mountain House Golf Course	58						
	2	Check No. 2	12.01							
	3		12.47	Musco Olive						
		Check No. 3	18.29							
	4		22.16	Tracy Golf & Country Club						
		Check No. 4	23.99							
	5	Check No. 5	29.73							
	6	Check No. 6	34.24							
2A	7		35.22	Turlock Fruit Company Inflow						
		Check No. 7	39.91							
	8		42.46	Oak Flat Water District-A						
			42.9	Western Hills WD						
			43.81	Oak Flat Water District-B						
			44.64	Oak Flat Water District-C						
		Check No. 8	45.97							
	9		46.18	Oak Flat Water District-D						
				Oak Flat Totals:	716	716	0	0	0	
2B	Check No. 9	51.3								
	10	Check No. 10	56.86							
	11	Check No. 11	61.4							
	12		66.14	Veteran's Cemetery	10		10			
		Check No. 12	66.71		302,976					

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

June 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending		Table A Amount			Article 21	Purchase Pool B	Local	Recreation				
	No.	Structure	Mile										
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	16,370	3	501	1,345	141	16			
			3.17	Granite - Vasco Rd. (Temp.)	0								
			3.18	Oakland Scavenger Zone 7	3								
		Check No. 1	3.91										
	2	Check No. 2	5.21										
			7.21	Zone 7 WA Altamont	501								
		Check No. 3	9.49	Zone 7 WA Patterson									
				Inflow Exchange Project Water	0								
					1,345								
4	6	Check No. 4	10.68			68	2	17	141	16			
		Check No. 5	12.29										
			13.55	Zone 7 WA Wente #1	68								
			14.16	Zone 7 WA Wente #2	2								
			14.31	Zone 7 WA Ising	17								
	7	Check No. 6	14.65			920	56	14	141	16			
			14.78	Zone 7 WA Arroyo Mocho Project Water	920								
		Check No. 7	16.38										
			16.57	Zone 7 WA Wente #3	0								
			16.63	Zone 7 WA Wente #4	56								
			16.69	Zone 7 WA Norman Nursery	14								
5	8		16.70	Zone 7 WA Concannon Project Water	44	309	85	166	846	1,372			
		Del Valle Branch Pipeline Junction	18.63	(Pumped into Lake Del Valle)	0								
				(Flow into South Bay Aqueduct)	0								
		Deliveries through Del Valle Branch Pipeline		Zone 7 WA Arroyo Valle #1 & #2 Project Water	309								
				Storage Released									
				Inflow Released	141								
				Lake Del Valle Recreation	16								
				Zone 7 WA Wente #5	85								
6		So. Livermore Project	19.20	Zone 7 WA	2,753	2,753	1,022	1,372	1,372	1,372			
				Inflow Released	0								
				Stored Exchanged	0								
		La Costa Tunnel	19.21	Zone 7 WA Kalthof Detjens	108								
7				ACWD Vallecitos Project Water	1,022								
Mission Tunnel		22.50	City of San Francisco	0									
			8								San Antonio	0	
Santa Clara Pipeline		28.97	ACWD - Bayside 1 & 2 Project Water	1,012									
			9								Storage Released	0	
											Storage Exchange	1,372	

Table 13. Lake Del Valle

Daily Operation

Capacity: 77,106 ac-ft

June 2005

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct	Recreation Deliveries 2/	Evaporation	Total Outflow	
May 31	703.84	40,511									
1	703.85	40,518	7	21	0	0	0	1	13	14	0.00
2	703.83	40,504	-14	0	0	0	0	0	14	14	0.00
3	703.82	40,497	-7	7	0	0	0	1	13	14	0.00
4	703.79	40,476	-21	-10	0	0	0	0	11	11	0.00
5	703.76	40,454	-22	-9	0	0	0	1	12	13	0.00
6	703.74	40,440	-14	-3	0	0	0	0	11	11	0.00
7	703.72	40,426	-14	-1	0	0	0	1	12	13	0.00
8	703.70	40,411	-15	-6	0	0	0	0	9	9	0.00
9	703.71	40,419	8	13	0	0	0	1	4	5	0.00
10	703.71	40,419	0	4	0	0	0	0	4	4	0.10
11	703.70	40,411	-8	4	0	0	0	1	11	12	0.00
12	703.65	40,376	-35	1	0	0	24	0	12	36	0.00
13	703.55	40,305	-71	14	0	0	68	1	16	85	0.00
14	703.51	40,276	-29	18	0	0	29	1	17	47	0.00
15	703.48	40,255	-21	8	0	0	12	1	16	29	0.00
16	703.45	40,233	-22	-11	0	0	0	0	11	11	0.00
17	703.47	40,248	15	19	0	0	0	1	3	4	0.11
18	703.46	40,241	-7	0	0	0	0	0	7	7	0.00
19	703.44	40,226	-15	3	0	0	6	1	11	18	0.00
20	703.24	40,084	-142	3	0	0	134	0	11	145	0.00
21	702.91	39,851	-233	-4	0	0	218	1	10	229	0.00
22	702.62	39,646	-205	6	0	0	199	0	12	211	0.00
23	702.45	39,526	-120	19	0	0	126	1	12	139	0.00
24	702.39	39,484	-42	12	0	0	42	0	12	54	0.00
25	702.40	39,491	7	19	0	0	0	1	11	12	0.00
26	702.37	39,470	-21	-10	0	0	0	0	11	11	0.00
27	702.36	39,463	-7	9	0	0	3	1	12	16	0.00
28	702.32	39,435	-28	3	0	0	17	0	14	31	0.00
29	702.30	39,421	-14	14	0	0	16	1	11	28	0.00
30	702.26	39,393	-28	-5	0	0	8	0	15	23	0.00
Total				-1,118	141	0	0	902	16	341	1,259
1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.											
2/ To East Bay Regional Park District.											
NR=No Records											

#1

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

June 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 56,430 ac-ft

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)	
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliv-eries 2/		
May 31	222.17	48,836											
1	221.71	47,625	-1,211	0	1,769	1,717	4,019	0	0	8,237	73	194	
2	219.73	42,454	-5,171	0	2,432	2,310	3,449	0	2,643	8,441	29	315	
3	219.56	42,016	-438	0	2,423	4,618	2,846	0	1,823	8,574	29	318	
4	219.40	41,605	-411	0	2,447	4,450	2,701	0	484	9,009	29	-283	
5	219.26	41,247	-358	0	2,412	743	4,625	0	0	7,727	29	-204	
6	219.94	42,997	1,750	0	2,336	2,540	4,610	0	0	8,742	29	167	
7	219.51	41,887	-1,110	0	2,009	656	4,761	0	0	8,032	29	75	
8	218.87	40,255	-1,632	0	1,916	2,064	4,722	0	0	9,473	31	-21	
9	219.53	41,939	1,684	0	2,332	1,479	6,391	0	0	9,395	26	68	
10	219.63	42,196	257	0	2,723	2,300	6,083	0	981	9,935	26	-34	
11	219.76	42,531	335	0	2,616	1,559	6,253	0	493	9,640	26	-100	
12	220.11	43,437	906	0	2,501	1,732	6,457	0	1,312	9,155	26	260	
13	219.34	41,451	-1,986	0	2,027	1,078	6,267	0	2,098	8,635	26	386	
14	218.09	38,296	-3,155	0	1,674	1,742	5,799	0	493	10,397	26	110	
15	217.83	37,652	-644	0	1,353	4,638	5,999	0	594	11,124	28	-569	
16	220.27	43,853	6,201	0	1,134	7,222	5,275	0	0	10,857	26	378	
17	220.72	45,027	1,174	0	959	5,187	5,633	0	0	10,916	26	-245	
18	221.50	47,073	2,046	0	1,435	3,900	5,466	0	0	9,417	26	-326	
19	220.93	45,577	-1,496	0	2,064	0	6,046	0	0	8,656	26	-182	
20	222.11	48,677	3,100	0	2,373	3,418	4,439	0	900	7,669	26	-72	
21	220.93	45,577	-3,100	0	2,054	3,884	871	0	0	8,556	26	210	
22	218.82	40,128	-5,449	0	1,342	4,356	0	0	0	8,300	26	-119	
23	220.19	43,645	3,517	0	1,016	3,180	6,702	0	0	9,299	31	205	
24	220.38	44,140	495	0	1,114	2,609	6,956	0	0	10,424	31	26	
25	221.02	45,813	1,673	0	1,486	2,609	6,031	0	423	8,606	31	-223	
26	219.87	42,815	-2,998	0	1,909	0	6,205	0	854	9,070	31	330	
27	221.70	47,598	4,783	0	2,300	2,573	5,717	0	0	7,749	31	-399	
28	222.31	49,208	1,610	0	2,325	1,360	5,855	0	515	8,225	31	43	
29	221.07	45,944	-3,264	0	2,247	0	6,501	0	1,762	8,586	36	-10	
30	219.55	41,990	-3,954	0	1,992	0	6,070	0	1,365	8,745	96	151	
Total				-6,846	0	58,720	73,924	152,749	0	16,740	271,591	962	449
Mean cfs				---	0	1,957	2,464	5,092	0	558	9,053	32	15
Acre-feet				-6,846	0	116,471	146,630	302,976	0	33,203	538,701	1,909	890

1/ Pump-in located at Mile 79.67R.

2/ Includes 49 AF delivered to DFG at O'Neill Forebay, 19 AF to Parks and Recreation, 1 AF to P&R Cattle, and 1,840 AF to San Luis WD.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

June 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 2,027,835 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.		
May 31	516.10	1,696,202							
1	515.80	1,692,620	-3,582	0	1,717	162	0	73	
2	515.70	1,691,426	-1,194	2,643	2,310	160	0	-775	
3	515.30	1,686,655	-4,771	1,823	4,618	168	0	558	
4	514.60	1,678,318	-8,337	484	4,450	153	0	-84	
5	514.40	1,675,938	-2,380	0	743	136	0	-321	
6	513.90	1,669,994	-5,944	0	2,540	144	0	-313	
7	513.80	1,668,806	-1,188	0	656	153	0	210	
8	513.40	1,664,057	-4,749	0	2,064	155	0	-175	
9	513.10	1,660,499	-3,558	0	1,479	143	0	-172	
10	512.80	1,656,943	-3,556	981	2,300	154	0	-320	
11	512.60	1,654,574	-2,369	493	1,559	154	0	26	
12	512.50	1,653,390	-1,184	1,312	1,732	144	0	-33	
13	512.60	1,654,574	1,184	2,098	1,078	161	0	-262	
14	512.40	1,652,206	-2,368	493	1,742	156	0	211	
15	511.70	1,643,927	-8,279	594	4,638	155	0	25	
16	510.40	1,628,590	-15,337	0	7,222	151	0	-359	
17	509.60	1,619,177	-9,413	0	5,187	150	0	591	
18	508.90	1,610,955	-8,222	0	3,900	152	0	-93	
19	508.80	1,609,782	-1,173	0	0	142	0	-449	
20	508.40	1,605,091	-4,691	900	3,418	151	0	304	
21	507.70	1,596,895	-8,196	0	3,884	152	0	-96	
22	506.90	1,587,544	-9,351	0	4,356	158	0	-200	
23	506.30	1,580,544	-7,000	0	3,180	167	0	-182	
24	505.80	1,574,718	-5,826	0	2,609	172	0	-156	
25	505.40	1,570,063	-4,655	423	2,609	154	0	-7	
26	505.50	1,571,226	1,163	854	0	145	0	-123	
27	505.00	1,565,413	-5,813	0	2,573	164	0	-194	
28	504.80	1,563,089	-2,324	515	1,360	165	0	-162	
29	504.90	1,564,251	1,162	1,762	0	178	0	-998	
30	505.10	1,566,575	2,324	1,365	0	143	1	-49	
Total			-129,627	16,740	73,924	4,642	1	-3,525	
Mean cfs			---	558	2,464	155	0	-118	
Acre-feet			-129,627	33,203	146,630	9,213	1	-6,986	

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 6462 AF, San Benito: 2751 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

June 2005

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant			San Felipe Project	
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	16,338	12,621	3,406	645	0	0	321
2	16,742	13,117	4,582	4,582	5,243	-49	318
3	17,007	13,374	9,160	9,160	3,615	57	334
4	17,870	14,275	8,827	8,827	960	29	303
5	15,327	11,681	1,473	1,473	0	0	270
6	17,339	13,673	5,039	5,039	0	0	286
7	15,932	12,330	1,302	1,302	0	0	303
8	18,790	12,261	4,093	1,030	0	0	308
9	18,634	12,049	2,934	96	0	0	283
10	19,707	13,158	4,562	2,323	1,945	1,945	305
11	19,121	12,513	3,093	807	977	977	305
12	18,158	11,614	3,436	3,436	2,603	2,603	285
13	17,128	10,543	2,138	1,257	4,162	4,162	320
14	20,622	14,074	3,455	2,240	977	977	310
15	22,065	14,628	9,200	3,700	1,178	1,178	307
16	21,534	14,089	14,324	5,923	0	0	300
17	21,651	12,876	10,288	1,796	0	0	298
18	18,679	9,939	7,736	-757	0	0	301
19	17,170	8,342	0	0	0	0	281
20	15,211	6,229	6,779	1,490	1,786	1,786	300
21	16,970	7,668	7,704	-251	0	0	302
22	16,463	7,623	8,641	6,027	0	0	314
23	18,445	9,588	6,308	1,029	0	0	332
24	20,676	13,717	5,174	-180	0	0	342
25	17,070	10,135	5,174	-190	840	840	306
26	17,991	10,998	0	0	1,694	1,694	288
27	15,371	8,329	5,104	-291	0	0	326
28	16,314	9,176	2,698	-251	1,022	1,022	327
29	17,030	9,910	0	0	3,494	3,494	354
30	17,346	10,247	0	0	2,707	2,707	284
Total	538,701	340,777	146,630	60,262	33,203	23,422	9,213

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations

June 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Capacity 34,560 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
May 31	329.27	21,272					
1	329.24	21,258	-14	0	0	0	-14
2	329.21	21,243	-15	0	0	0	-15
3	329.19	21,234	-9	0	0	0	-9
4	329.16	21,219	-15	0	0	0	-15
5	329.10	21,191	-28	0	0	0	-28
6	329.07	21,177	-14	0	0	0	-14
7	329.05	21,167	-10	0	0	0	-10
8	329.04	21,162	-5	0	0	0	-5
9	329.04	21,162	0	0	0	0	0
10	329.02	21,153	-9	0	0	0	-9
11	329.00	21,143	-10	0	0	0	-10
12	328.99	21,138	-5	0	0	0	-5
13	328.97	21,129	-9	0	0	0	-9
14	328.94	21,115	-14	0	0	0	-14
15	328.91	21,100	-15	0	0	0	-15
16	328.88	21,086	-14	0	0	0	-14
17	328.85	21,072	-14	0	0	0	-14
18	328.83	21,062	-10	0	0	0	-10
19	328.82	21,058	-4	0	0	0	-4
20	328.80	21,048	-10	0	0	0	-10
21	328.78	21,038	-10	0	0	0	-10
22	328.77	21,034	-4	0	0	0	-4
23	328.74	21,019	-15	0	0	0	-15
24	328.72	21,010	-9	0	0	0	-9
25	328.70	21,000	-10	0	0	0	-10
26	328.68	20,991	-9	0	0	0	-9
27	328.65	20,977	-14	0	0	0	-14
28	328.63	20,967	-10	0	0	0	-10
29	328.62	20,963	-4	0	0	0	-4
30	328.61	20,958	-5	0	0	0	-5
Total			-314	0	0	0	-314
Mean cfs			---	0	0	0	---
Acre-feet			-314	0	0	0	-314

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

June 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 5,580 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft) 1/	Storage Change (ac-ft) 1/	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft) 1/
					Spill	Outlet	
May 31	602.45	818					
1	602.40	815	-3	0	0	0	-3
2	602.40	815	0	0	0	0	0
3	602.40	815	0	0	0	0	0
4	602.40	815	0	0	0	0	0
5	602.40	815	0	0	0	0	0
6	602.40	815	0	0	0	0	0
7	602.40	815	0	0	0	0	0
8	602.40	815	0	0	0	0	0
9	602.30	809	-6	0	0	0	-6
10	Not Observed			0	0	0	
11	602.30	809	0	0	0	0	0
12	Not Observed			0	0	0	
13	Not Observed			0	0	0	
14	Not Observed			0	0	0	
15	Not Observed			0	0	0	
16	Not Observed			0	0	0	
17	Not Observed			0	0	0	
18	602.30	809	0	0	0	0	0
19	602.30	809	0	0	0	0	0
20	602.20	803	-6	0	0	0	-6
21	602.20	803	0	0	0	0	0
22	602.20	803	0	0	0	0	0
23	602.20	803	0	0	0	0	0
24	602.20	803	0	0	0	0	0
25	602.20	803	0	0	0	0	0
26	602.20	803	0	0	0	0	0
27	602.00	792	-11	0	0	0	-11
28	Not Observed			0	0	0	
29	602.00	792	0	0	0	0	0
30	Not Observed			0	0	0	
Total			-26	0	0	0	-26
Mean cfs			---	0	0	0	---
Acre-feet			-26	0	0	0	-26

1/ Not available on a daily basis

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet)

June 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			USBR	Transfer	DWR Recreation	USBR Recreation		
	No.	Structure									
2B	12	Check No. 12	66.71		302,976						
3A		San Luis Reservoir		Department of Parks and Recreation	1	6,462	2,751	1	0		
				San Felipe Division Santa Clara Water District	6,462						
				San Felipe Division San Benito Water District	2,751						
				Reach 3A Total:	9,214			1	0		
				Department of Parks and Recreation	19			10	9		
3	13	O'Neill Forebay	70.85	Cattle Program	1	1,840	27	1	0		
				Department of Fish & Game	49			27	22		
				San Luis Water District	1,840						
			70.91 Thru 85.08	(Floodwater Inflow)	0	1,840	0				
				Reach 3 Total:	1,909			38	31		
			Dos Amigos Pumping Plant	86.73	538,701						
	14		89.03			1,712	2,100				
			Thru 94.06	San Luis Water District	1,712						
			89.66								
			Thru 89.67	Pacheco Water District	2,100						
			89.68			45	174				
			89.70	Panoche Water District	45						
4	15		City of Dos Palos	174							
			Check No. 14	95.06							
			98.15			10,701	23,481				
			Thru 104.20	San Luis Water District	10,701						
			96.15								
			Thru 102.64	Panoche Water District	10,706						
				(Floodwater Inflow)	0						
			102.64	Broadview Water District	2	2	23,481				
			105.22								
			Thru 108.64	Westlands Water District	23,481						
			Check No.15	108.50							
			Reach 4 Total:	48,921	48,921	0	0	0	0		
			San Felipe Division Total:	9,213	9,213	0	0	0	0		
			Pacheco Water District Total:	2,100	2,100	0	0	0	0		
			Broadview Water District Total:	2	2	0	0	0	0		
			City of Dos Palos Total:	174	174	0	0	0	0		
			SLWD Reach 4 Subtotal:	12,413	12,413	0	0	0	0		
			Panoche Water District Total:	10,751	10,751	0	0	0	0		
			SLWD Total:	14,253	14,253	0	0	0	0		
			Westlands WD Reach 4 Subtotal:	23,481	23,481	0	0	0	0		

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

June 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries									
	Beginning and Ending		Mile			USBR	SWP 1/	DWR Recreation	USBR Recreation	Art. 21					
	No.	Structure													
5	16		110.52	(Reverse flow, Lat. 7L)	579	26,886									
			Thru	Westlands Water District	26,886										
			122.05	Department of Fish and Game	0										
		Check No. 16	122.07												
	17		124.18	Westlands Water District	25,996	25,996									
			Thru												
		Check No. 17	132.95												
	18		133.81	Westlands Water District	24,957	24,957									
			Thru												
			142.61												
		Pleasant Valley Pumping Plant	143.16	Westlands Water District	15,145										
			143.16	City of Coalinga	731										
		Check No. 18	143.23												
				Reach 5 Total:	93,715	93,715	0	0	0	0					
6	19		145.26	City of Huron (P&R) @ Lat. 22R		4	391								
				Kings County to Lemoore Naval Air Station thru WWD 29L & 30L	391										
				Westlands Water District	42,080										
			151.19	Kings County thru WWD 30L	96										
				Check No. 19	155.64										
					Reach 6 Total:	42,571	42,084	391	0	0					
7	20		156.34	City of Huron	109	109	4								
			156.40	SWP Construction @ Lat. 24R	4										
			Thru	Westlands Water District	20,599										
			163.69	Kings County thru WWD 31L, 32L, 33L, 34L, 35L, 36L	2,233										
			Check No. 20	164.69											
	21		164.79	City of Avenal	264	20,499	100								
			167.04	Westlands Water District	2,523										
			171.67												
				Kings County thru WWD 37L, 38L, 29R, 30R											
			Check No. 21	172.40	323,041										
				Reach 7 Total:	30,403	23,395	104	0	0	6,904					
				SWP Construction	4	0	4	0	0	0					
				Westlands WD Total:	181,667	179,334	100	0	0	2,233					
				City of Coalinga Total:	731	731	0	0	0	0					
				City of Huron Total:	113	113	0	0	0	0					
				Kings County to Lemoore Naval Air Station thru WWD 29L & 30L	391	0	391	0	0	0					
				Kings County thru WWD 30L	96	0	0	0	0	96					
				City of Avenal Total:	264	264	0	0	0	0					
				Total San Luis Field Division Deliveries:	226,733	216,935	495	39	32	9,233					

1/ Long-term POD from County of Kings to Lemoore Naval Air Base

Table 20. Consolidated State-Federal San Luis Canal 1/Daily Operations
June 2005

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project Pump In (ac-ft)	Dos Amigos Pumping Plant (cfs)	Pools 14 & 15 2/	Pool 15	Pools 15 thru 21 3/	Flow Past Check 21	
May 31	28,799								
1	28,662	-137	13	8,237	226	141	2,379	5,385	-182
2	29,060	398	13	8,441	231	117	2,562	5,532	195
3	28,732	-328	13	8,574	231	117	2,562	5,808	-27
4	29,345	613	13	9,009	231	117	2,562	5,733	-63
5	28,346	-999	13	7,727	231	117	2,562	5,628	301
6	29,426	1,080	13	8,742	231	117	2,562	5,067	-227
7	28,315	-1,111	13	8,032	231	117	2,562	5,321	-368
8	28,663	348	13	9,473	234	119	2,562	5,710	-679
9	28,680	17	13	9,395	311	287	3,348	5,433	-14
10	29,535	855	13	9,935	311	287	3,348	5,620	55
11	28,631	-904	13	9,640	311	287	3,348	6,289	133
12	29,221	590	13	9,155	311	287	3,348	5,301	383
13	28,902	-319	13	8,635	311	287	3,348	5,018	162
14	29,035	133	13	10,397	311	287	3,348	6,195	-195
15	28,943	-92	13	11,124	313	293	3,349	6,784	-437
16	29,263	320	13	10,857	130	196	3,734	6,210	-432
17	29,735	472	14	10,916	130	196	3,734	6,416	-209
18	29,958	223	14	9,417	130	196	3,734	5,366	115
19	29,971	13	14	8,656	130	196	3,734	5,392	795
20	29,506	-465	14	7,669	130	196	3,734	4,318	468
21	28,835	-671	14	8,556	130	196	3,734	4,726	-115
22	28,521	-314	14	8,300	131	201	3,734	4,589	190
23	28,651	130	0	9,299	305	101	3,220	5,104	-504
24	30,545	1,894	0	10,424	305	101	3,220	5,397	-447
25	29,644	-901	0	8,606	305	101	3,220	5,598	163
26	29,878	234	0	9,070	305	101	3,220	5,745	419
27	29,362	-516	0	7,749	305	101	3,220	4,804	420
28	29,718	356	0	8,225	305	101	3,220	4,531	111
29	29,260	-458	0	8,586	311	101	3,220	5,256	71
30	30,126	866	0	8,745	328	359	3,449	4,587	414
Total		1,327	292	271,591	7,405	5,420	95,877	162,864	496
Mean cfs		---	10	9,053	247	181	3,196	5,429	17
Acre-feet		1,327	292	538,701	14,687	10,751	190,172	323,041	985

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 174 AF to the City of Dos Palos, 2,100 AF to Pacheco Water District, 12, 413 AF to San Luis Water District

3/ Includes 2 AF to Broadview Water District; 166,522 AF to Westlands Water District (WWD); 731 AF to the City of Coalinga; 15,145 AF to Pleasant Valley Pumping Plant; 4 AF to the City of Huron (P&R) at Lat 22R; 391 AF from Kings County to Lemoore N.A.S. thru WWD 29L and 30L; 96 AF to Kings County thru WWD 30L; 4 AF to SWP Construction (Arroyo Pasajero) at 24R; 109 AF to City of Huron at 23R; 2,233 AF to Kings County through WWD 31L, 32L, 33L, 34L, 35L, and 36L; 264 AF to the City of Avenal; 4,671 AF to Kings County thru WWD 37L, 38L, 29R, and 30R.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

June 2005

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	502	502	90	85	85	5,168	4,902	4,506	4,466
2	508	508	104	95	95	5,273	4,948	4,576	4,505
3	527	527	112	106	106	5,509	5,145	4,740	4,555
4	581	581	94	89	89	5,312	4,989	4,639	4,553
5	497	497	125	117	117	6,654	6,566	6,255	6,259
6	505	505	71	67	67	5,042	4,870	4,520	4,498
7	503	503	89	86	86	5,359	5,012	4,589	4,505
8	552	552	117	113	113	5,684	5,270	4,891	4,758
9	501	501	89	85	85	5,203	4,926	4,491	4,432
10	525	525	107	103	103	5,462	5,058	4,690	4,620
11	637	637	111	107	107	5,546	5,143	4,779	4,693
12	580	580	120	115	115	5,248	5,326	5,022	2,254
13	424	424	70	65	65	4,249	4,035	3,658	3,582
14	500	500	132	132	132	5,664	5,183	4,756	4,595
15	489	489	121	122	122	5,248	4,710	4,336	4,250
16	522	522	111	110	110	5,677	5,111	4,691	4,539
17	494	494	113	110	110	5,303	4,752	4,544	4,453
18	612	612	120	116	116	4,996	4,886	4,355	4,269
19	618	618	116	108	108	6,118	5,825	5,653	5,456
20	480	480	78	73	73	4,571	4,636	4,325	4,154
21	515	515	101	97	97	5,136	4,681	4,286	4,171
22	518	518	112	107	107	4,939	4,584	4,205	4,129
23	486	486	112	110	110	5,777	5,436	5,017	4,868
24	530	530	99	116	116	6,462	5,888	5,448	5,308
25	749	749	136	127	127	6,493	6,304	5,848	5,831
26	551	551	115	108	108	7,248	7,056	6,812	6,407
27	437	437	76	70	70	5,827	5,774	5,406	5,311
28	522	522	108	103	103	5,753	5,393	4,954	4,893
29	529	529	109	105	105	5,999	5,686	5,277	5,047
30	501	501	116	112	112	5,629	5,419	4,996	4,655
Total	15,895	15,895	3,174	3,059	3,059	166,549	157,514	146,265	140,016

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

June 2005

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries					
	Beginning and Ending		No.			Table A Amount	USBR	Article 21	Purchase Pool B	Other	
	No.	Structure	Mile								
7	21	Check No. 21	172.40		323,041						
8C	22		172.66	Empire West Side Irrig. Dist. TL - A	0	41	69	2,768	0	0	
				County of Kings TL - A	0						
				TLBWSD TL-A	110						
				175.18 DRWD - 1	457						
				177.54 DRWD - 1B	323						
			180.64	180.64 TLBWSD - C	0	1,252	2,768	0	0	0	
				180.65 DRWD - 1A	1,252						
				182.99 DRWD - 2	2,568						
				183.00 Tulare Lake Basin WSD TL - B	2,908						
				184.00 DRWD - Paramount	4						
31A	8D		184.63	Coastal Branch	15,895	140	2,768	0	0	0	
31A				184.78 Dudley Ridge Water Dist. DRWD - 3	1,972						
184.78			Dudley Ridge Reach 8D Total:	6,576	6,576	0	0	0	0		
			Tulare Lake Basin WSD Total:	3,018							
Check No. 22			184.82								
189.69			Kern County Water Agency Lost Hills Water Dist. - 1	7,643	7,643	1,166	0	0	0		
			191.18 Kern County Water Agency Lost Hills Water Dist. - 2	1,166							
			194.22 Kern County Water Agency Lost Hills Water Dist. - 3	118							
			196.40 Kern County Water Agency Berrenda Mesa - 2	0							
			196.75 Kern County Water Agency Lost Hills Water Dist. - 4	267							
			K.C.W.A. Reach 9 Subtotal:	9,194							
9	23		Check No. 23	197.05		9,194	0	0	0	0	
			201.24	Kern County Water Agency Lost Hills Water Dist. - 7	490	490	799	0	0	0	
				202.05 Kern County Water Agency Lost Hills Water Dist. - 5	799						
				204.69 Kern County Water Agency Lost Hills Water Dist. - 6	0						
				205.26 Kern County Water Agency Lost Hills Water Dist. - 8	13						
			Check No. 24	207.94							
	10A		209.71	Kern County Water Agency Belridge Water Storage Dist. - 1A	2,693	2,693	1,252	0	0	0	
				Kern National Wildlife Refuge USBR BV-1B	0						
			209.78	Kern County Water Agency Buena Vista WSD 1B	1,252						
				KCWA Semitropic WSD	32,927						
				KCWA Semitropic WSD Penstocks	15,541						
				USBR Total:	0						
				K.C.W.A. Reach 10A Subtotal:	53,715						

1/ Santa Clara Valley WD Art.21 water delivered to Semitropic WSD for banking.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

June 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Mile			Table A Amount	USBR	Article 21	Purchase Pool B	Other		
	No.	Structure										
11B	25		210.75	Kern County Water Agency Belridge - 2	0	596						
			214.11	Kern County Water Agency Belridge - 3	596							
			216.62	Kern County Water Agency Belridge - 4	0							
			217.13	Kern County Water Agency Belridge - 5	14,848	14,848						
				Kern County Water Agency Belridge - 5D	87							
		Check No. 25	217.79									
				K.C.W.A. Reach 11B Subtotal:	15,531	15,531	0	0	0	0		
12D	26		219.58	Kern County Water Agency Belridge - 6	0	149						
				Kern County Water Agency West Kern - 3	149							
		Check No. 26	224.92									
12E	27		230.37	Kern County Water Agency Buena Vista - 6	3,077	2,821	256	2/ 1,324				
		Check No. 27	231.73									
	28		235.75	Kern County Water Agency Buena Vista - 2	1,409							
			238.04	Kern County WA CVC	23,247							
				DRWD CVC	0							
				Tulare Co.	0							
				Lower Tule River	0							
				Fresno Co.	0							
				Pixley ID	0							
				Hacienda								
				DWR Wells	0							
		Check No. 28	238.11									
				1/ Arvin Edison Total:	0	0	0	0	0	0		
				Reach 12E Subtotal:	27,733	5,980	0	20,429	0	1,324		
13B	29		238.19	Kern Water Bank Inflow	12,476	954	11,412	3/ 1,064				
			Kern Water Bank Outflow	0								
			241.02	Kern River Intertie (inflow)	0							
			242.85	KCWA Buena Vista WSD - 7	954							
				KCWA Buena Vista WSD - 5	1,096							
			243.09	Kern County Water Agency Buena Vista - 3	4,010	4,010						
		Check No. 29	244.54	Buena Vista WSD	0							
	30		249.85	Kern County Water Agency Buena Vista - 4	1,404	1,404						
			250.99		166,549							
				K.C.W.A. Reach 13B Subtotal:	19,940	7,464	0	11,412	0	1,064		
14A	31		254.47	Kern County Water Agency West Kern - 2	0	132						
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	132							

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ MWD's Table A to Kern Delta WD for storage.

3/ DRWD's Art.21 water delivered to KWB for storage.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

June 2005

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries					
	Beginning and Ending		No.			Table A Amount	USBR	Article 21	Purchase Pool B	Other	
	No.	Structure	Mile								
14A	31	Check No. 31	256.14			415	415	0	0	0	
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	415						
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	1,903						
		Check No. 32	261.72			2,450	0	0	0	0	
				KCWA Reach 14A Subtotal:	2,450						
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	4,546	4,546	929	0	0	0	
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	929						
		Check No. 33	267.36								
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	3,671	3,671	9,146	0	0	0	
		Check No. 34	271.27								
				Reach 14B Total:	9,146						
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	1,717	1,717	1,303	0	0	0	
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	1,303						
			277.30	Kern County Water Agency Arvin-Edison WSD	14						
				Reach 14C Total:	3,034						
	Teerink Pumping Plant	278.13			157,514						
15A	36		279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	850	850	5,951	0	0	0	
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	5,951						
				Reach 15-A Total:	6,801						
	Chrismar Pumping Plant	280.36			146,265						
16A	37		282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0						
		Check No. 37	283.95								
	38		285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	32	30	2	0	0	0	
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	81						
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0						
	Check No. 38	287.09									
	39		287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	206	206	55	0	0	0	
		Check No. 39	290.21								
	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	1,187	1,187	432	0	0	0	
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	432						
				Kern County Water Agency Tehachapi Cummings CWD	1,161	1,106	55	0	0	0	
				K.C.W.A. Reach 16A Subtotal:	3,099						
17E	Edmonston Pumping Plant	293.45			140,016						

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

June 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Table A Amount	USBR	Article 21	Purchase Pool B	Other	
	No.	Structure	Mile								
31A	C-1	Coastal Branch Control	0.02		15,895	1,404	10,389	583			
		Las Perillas Pumping Plant	1.16		15,895						
	C-2		3.79	Green Valley Water District	0						
		Badger Hill Pumping Plant	4.27		15,895						
	C-3	Coastal Check No. 3	7.21								
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0						
		Coastal Check No. 4	9.34								
	C-5	Coastal Check No. 5	12.20								
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	1,404						
			14.83	Kern County Water Agency Berrenda Mesa - 1	10,972						
				Kern County Water Agency Berrenda Mesa - PO	0						
		Devil's Den Pumping Plant	14.86		3,174						
				K.C.W.A. Reach 31A Subtotal:	12,376	11,793	0	583	0	0	
				K.C.W.A. Total:	163,168	123,770	0	34,659	0	4,739	
33A	C-7	Bluestone Pumping Plant	19.05		3,059	2,689	402	34			
	C-8	Polonio Pass Pumping Plant	26.54		3,059						
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant							
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	2,689						
		Tank Site 2	58.63	Central Coast:	0						
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	436	3,091	0	34	0	0	
		Energy Dissipater	78.12								
		Lopez T.O.	85.86	SLOCFC & WCD	0						
35	C-12			CCWA Total:	3,125						
		Guadalupe T.O.	102.70	SBCFC & WCD	0						
		Santa Maria T.O.	107.43	SBCFC & WCD	0						
		So. Cal. Water T.O.	109.20	SBCFC & WCD	0						
38				SBCFC & WCD Total:	0	0	0	0	0	0	
		Tank Site 5	115.42								

Table 24. Southern Field Division Plant Data

(in acre-feet)

June 2005

Date	West Branch					East Branch									East Branch Extension		
	Oso Pumping Plant	Warne Powerplant		Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Green Spot	Crafton Hills	Cherry Valley	
		Generation	Bypass	Generation 1/	Pumpback 1/	Generation	Bypass Through Plant	Cottonwood Chute		Generation	Leakage	Bypass Flume					
28	1	1,736	1,777	0	6,125	591	2,510	0	208	2,424	2,463	0	0	2,698	25	23	4
	2	1,707	1,765	0	4,777	2,593	2,595	0	206	2,414	2,630	0	0	2,571	26	18	3
	3	1,920	1,818	0	7,644	3,810	2,462	0	198	2,185	1,971	0	0	2,889	0	0	0
	4	1,707	0	0	2,233	3,483	2,595	0	167	2,423	2,374	0	0	2,636	0	0	0
	5	1,813	0	0	1,023	5,003	3,723	0	700	3,845	3,603	0	0	2,647	0	0	0
	6	1,706	1,680	0	4,817	2,305	2,630	0	149	2,605	2,902	0	0	2,684	26	26	4
	7	1,542	1,910	0	4,996	2,136	2,714	0	214	2,627	2,665	0	0	2,713	26	26	3
	8	1,541	1,592	0	4,055	2,897	2,981	0	201	2,473	2,438	0	0	2,681	0	0	0
	9	1,484	1,729	0	5,160	2,099	2,650	0	242	2,977	2,988	0	0	2,493	0	0	0
	10	1,484	1,738	0	4,856	1,833	2,772	0	248	2,744	2,942	0	0	2,802	26	26	4
	11	1,279	0	0	3,210	3,010	2,576	0	522	2,829	2,708	0	0	2,664	0	0	0
	12	480	0	0	1,902	4,752	3,691	0	728	3,755	3,679	0	0	2,957	0	0	0
	13	724	1,167	0	5,960	3,323	2,732	0	212	2,957	2,930	0	0	3,155	25	25	3
	14	1,177	1,363	0	4,535	3,008	3,230	0	145	2,861	2,948	0	0	2,923	0	0	0
	15	1,069	1,432	0	5,528	1,707	2,897	0	312	2,767	2,826	0	0	2,930	0	0	2
	16	957	1,480	0	5,073	2,416	3,138	0	406	2,953	2,796	0	0	3,039	22	22	3
	17	958	1,384	0	3,914	1,847	3,162	0	113	3,056	2,962	0	0	3,351	0	0	0
	18	1,104	1,514	0	834	2,161	3,063	0	76	2,931	2,921	0	0	3,018	0	0	0
	19	1,919	0	0	896	3,582	3,413	0	98	3,069	2,952	0	0	3,143	3	0	0
	20	1,055	1,436	0	4,535	791	2,930	0	227	2,968	2,892	0	0	3,054	27	24	4
	21	1,442	1,924	0	3,732	1,418	2,721	0	54	2,246	2,596	0	0	2,752	27	27	5
	22	1,064	1,434	0	3,090	1,151	2,879	0	157	2,645	2,289	0	0	2,967	0	0	0
	23	1,712	2,189	0	4,030	0	3,013	0	122	2,781	2,744	0	0	2,820	5	0	2
	24	1,715	2,212	0	2,431	1,027	3,444	0	170	3,216	3,220	0	0	3,145	40	34	3
	25	1,786	2,189	0	62	1,222	3,686	0	340	3,597	3,637	0	0	3,203	4	0	0
	26	2,139	0	0	98	3,941	3,731	0	702	3,992	3,838	0	0	3,281	3	0	0
	27	1,583	1,865	0	4,751	2,455	3,330	0	417	3,456	3,795	0	0	3,370	31	26	4
	28	1,063	1,007	0	432	1,867	3,408	0	341	3,317	3,201	0	0	3,375	31	27	3
	29	1,522	1,965	0	4,832	0	3,344	0	163	3,205	3,217	0	0	3,379	3	0	4
	30	1,502	1,973	0	5,688	1,917	3,080	0	279	2,818	2,933	0	0	3,333	0	0	3
	Total	42,890	40,543	0	111,219	68,345	91,100	0	8,117	88,136	88,060	0	0	88,673	350	304	54

1/ Values supplied by LADWP, not verified by DWR.

Table 25. Pyramid Lake

Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

June 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				United Water Agency	Computed Losses (-) And Gains (+)
				Project		Natural	Project		Natural			
				Castaic Powerplant Pumpback 1/	Warne Powerplant	Stream Flow	Castaic Powerplant Generation 1/	Recreation Deliveries	To Piru Creek			
May 31	2577.07	168,703										
1	2574.09	164,902	-3,801	591	1,777	136	6,125	0	119	0	-61	
2	2573.70	164,409	-493	2,593	1,765	128	4,777	0	119	0	-83	
3	2571.93	162,183	-2,226	3,810	1,818	126	7,644	0	119	0	-217	
4	2572.93	163,438	1,255	3,483	0	121	2,233	0	119	0	3	
5	2576.15	167,524	4,086	5,003	0	116	1,023	0	114	0	104	
6	2575.57	166,783	-741	2,305	1,680	114	4,817	0	101	0	78	
7	2574.67	165,638	-1,145	2,136	1,910	114	4,996	0	101	0	-208	
8	2575.01	166,070	432	2,897	1,592	112	4,055	0	101	0	-13	
9	2573.93	164,700	-1,370	2,099	1,729	110	5,160	0	101	0	-47	
10	2572.76	163,224	-1,476	1,833	1,738	113	4,856	0	101	0	-203	
11	2572.40	162,772	-452	3,010	0	105	3,210	0	101	0	-256	
12	2574.56	165,498	2,726	4,752	0	100	1,902	0	101	0	-123	
13	2573.37	163,993	-1,505	3,323	1,167	96	5,960	0	101	0	-30	
14	2573.18	163,753	-240	3,008	1,363	91	4,535	0	101	0	-66	
15	2571.23	161,308	-2,445	1,707	1,432	86	5,528	0	101	0	-41	
16	2570.23	160,063	-1,245	2,416	1,480	89	5,073	0	101	0	-56	
17	2569.67	159,369	-694	1,847	1,384	91	3,914	0	101	0	-1	
18	2571.95	162,208	2,839	2,161	1,514	94	834	0	101	0	5	
19	2574.02	164,814	2,606	3,582	0	89	896	0	101	0	-68	
20	2572.12	162,421	-2,393	791	1,436	84	4,535	0	101	0	-68	
21	2571.73	161,933	-488	1,418	1,924	80	3,732	0	101	0	-77	
22	2571.26	161,345	-588	1,151	1,434	78	3,090	0	101	0	-60	
23	2569.67	159,369	-1,976	0	2,189	73	4,030	0	101	0	-107	
24	2570.29	160,138	769	1,027	2,212	72	2,431	0	101	0	-10	
25	2572.97	163,489	3,351	1,222	2,189	72	62	0	100	0	30	
26	2575.98	167,306	3,817	3,941	0	75	98	0	100	0	-1	
27	2575.59	166,808	-498	2,455	1,865	71	4,751	0	100	0	-38	
28	2577.54	169,308	2,500	1,867	1,007	66	432	0	100	0	92	
29	2575.18	166,286	-3,022	0	1,965	66	4,832	0	100	0	-121	
30	2573.67	164,371	-1,915	1,917	1,973	64	5,688	0	100	0	-81	
Total				-4,332	68,345	40,543	2,832	111,219	0	3,109	0	-1,724

1/ Values supplied by LADWP, not verified by DWR.

Table 26. Elderberry Forebay

Daily Operation

(in acre-feet except as noted)

Capacity: 32,476 ac-ft

June 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake			
							Natural	Project 1/		
May 31	1512.30	20,080								
1	1525.10	25,460	5,380	6,125	35	591	35	119	-35	
2	1520.50	23,454	-2,006	4,777	34	2,593	34	4,121	-69	
3	1529.60	27,496	4,042	7,644	34	3,810	34	0	208	
4	1518.10	22,438	-5,058	2,233	33	3,483	33	3,574	-234	
5	1508.50	18,612	-3,826	1,023	33	5,003	33	0	154	
6	1514.30	20,877	2,265	4,817	32	2,305	32	0	-247	
7	1514.95	21,140	263	4,996	31	2,136	31	2,535	-62	
8	1517.60	22,229	1,089	4,055	30	2,897	30	0	-69	
9	1517.90	22,354	125	5,160	29	2,099	29	2,879	-57	
10	1524.30	25,106	2,752	4,856	28	1,833	28	0	-271	
11	1517.50	22,188	-2,918	3,210	27	3,010	27	3,013	-105	
12	1510.30	19,300	-2,888	1,902	27	4,752	27	0	-38	
13	1516.85	21,918	2,618	5,960	26	3,323	26	0	-19	
14	1520.60	23,497	1,579	4,535	24	3,008	24	0	52	
15	1522.70	24,404	907	5,528	23	1,707	23	2,891	-23	
16	1522.00	24,100	-304	5,073	23	2,416	23	2,940	-21	
17	1526.70	26,175	2,075	3,914	24	1,847	24	0	8	
18	1517.50	22,188	-3,987	834	24	2,161	24	2,613	-47	
19	1511.30	19,688	-2,500	896	22	3,582	22	0	186	
20	1520.00	23,241	3,553	4,535	21	791	21	0	-191	
21	1525.20	25,504	2,263	3,732	20	1,418	20	0	-51	
22	1518.30	22,522	-2,982	3,090	19	1,151	19	4,840	-81	
23	1527.50	26,536	4,014	4,030	19	0	19	0	-16	
24	1530.70	28,006	1,470	2,431	18	1,027	18	0	66	
25	1522.90	24,491	-3,515	62	18	1,222	18	2,300	-55	
26	1510.00	19,184	-5,307	98	17	3,941	17	1,449	-15	
27	1513.40	20,516	1,332	4,751	17	2,455	17	945	-19	
28	1508.70	18,687	-1,829	432	17	1,867	17	359	-35	
29	1516.60	21,815	3,128	4,832	16	0	16	1,697	-7	
30	1520.30	23,369	1,554	5,688	15	1,917	15	2,212	-5	
Total				3,289	111,219	736	68,345	736	38,487	
-1,098										

1/ Values supplied by LADWP, not verified by DWR.

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

June 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay 1/		Natural	Deliveries	Released To Castaic Lagoon		
				Natural	Project					
May 31	1511.73	316,438								
1	1511.13	315,117	-1,321	35	119	46	1,327	83	-111	
2	1512.37	317,852	2,735	34	4,121	41	1,352	69	-40	
3	1511.77	316,527	-1,325	34	0	36	1,347	69	21	
4	1512.76	318,715	2,188	33	3,574	34	1,329	69	-55	
5	1512.13	317,321	-1,394	33	0	31	1,343	60	-55	
6	1511.50	315,931	-1,390	32	0	34	1,311	60	-85	
7	1512.08	317,211	1,280	31	2,535	38	1,348	60	84	
8	1511.45	315,821	-1,390	30	0	38	1,363	60	-35	
9	1512.15	317,366	1,545	29	2,879	36	1,377	60	38	
10	1511.46	315,843	-1,523	28	0	36	1,363	60	-164	
11	1512.49	318,117	2,274	27	3,013	36	1,398	60	656	
12	1511.86	316,725	-1,392	27	0	36	1,382	60	-13	
13	1511.23	315,337	-1,388	26	0	36	1,348	60	-42	
14	1510.61	313,974	-1,363	24	0	34	1,359	54	-8	
15	1511.21	315,293	1,319	23	2,891	34	1,521	50	-58	
16	1511.75	316,483	1,190	23	2,940	34	1,655	0	-152	
17	1510.98	314,787	-1,696	24	0	34	1,643	0	-111	
18	1511.40	315,711	924	24	2,613	34	1,662	61	-24	
19	1510.64	314,040	-1,671	22	0	34	1,723	67	63	
20	1509.86	312,330	-1,710	21	0	34	1,682	67	-16	
21	1509.02	310,494	-1,836	20	0	32	1,711	67	-110	
22	1510.43	313,579	3,085	19	4,840	27	1,741	67	7	
23	1509.59	311,739	-1,840	19	0	24	1,757	67	-59	
24	1508.78	309,971	-1,768	18	0	23	1,742	67	0	
25	1508.99	310,429	458	18	2,300	23	1,686	67	-130	
26	1508.92	310,276	-153	17	1,449	22	1,812	67	238	
27	1508.43	309,209	-1,067	17	945	22	1,720	67	-264	
28	1507.78	307,797	-1,412	17	359	22	1,794	67	51	
29	1507.63	307,471	-326	16	1,697	22	1,862	67	-132	
30	1507.72	307,667	196	15	2,212	22	1,901	67	-85	
Total				-8,771	736	38,487	955	46,559	1,799	-591

1/ Values supplied by LADWP, not verified by DWR.

Table 28. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

June 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Table A Amount	Rec.	Article 21	Local	Flexible Payback	
	No.	Structure	Mile								
29A	42	Oso Pumping Plant	1.49		42,890						
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved						
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub						
29G		Warne Power Plant	14.07		40,543						
29H	W3	Pyramid Lake		Calif. State Park Pyramid Recreation	0						
			14.10	United Water Conservation Dist.	0						
		Pyramid Dam	17.10	Piru Creek Fish Enhancement	0						
29J	W4	Castaic Power Plant	25.82	(68,345 AF pumpback) 2/	111,219						
		Elderberry Forebay									
		Forebay Dam	28.12								
30 1/	W5	Castaic Lake		Calif. State Park Castaic Lake Recreation	10		10				
			31.47								
		Castaic Lake Outlet	31.55	MWD - 78"	9,553		9,553				
				MWD - 132"	32,441						
				Castaic Lake WA - T1	2,573						
				Castaic Lake WA	1,751						
				United Water Conservation Dist.	0						
				MWD - Ventura County FCD	231						
				LA Co. Parks & Recreation	0						
				Releases to Lagoon	1,799						
				Reach 30 Subtotal:	46,559		46,549	10	0	0	
	W6	Castaic Lagoon		Recreation to Lagoon	0						
		Castaic Lagoon Outlet	31.87		1,734						

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value Supplied by LADWP, not verified by DWR

Table 29. Silverwood Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

June 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/		
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Delivered to CLAWA	Rec.	San Bernardino Tunnel	Del. To Mojave W.A.	Natural To Mojave River			
May 31	3349.55	69,753												
1	3349.38	69,594	-159	2,463	0	40	3	1	2,698	0	0	40	46	
2	3349.46	69,669	75	2,630	0	40	5	0	2,571	0	1	-18	46	
3	3348.54	68,809	-860	1,971	0	38	5	1	2,889	0	0	26	44	
4	3348.20	68,493	-316	2,374	0	37	5	0	2,636	0	1	-85	44	
5	3349.43	69,641	1,148	3,603	0	38	5	1	2,647	0	0	160	44	
6	3349.63	69,829	188	2,902	0	37	6	0	2,684	0	1	-60	44	
7	3349.69	69,885	56	2,665	0	36	1	1	2,713	0	0	70	46	
8	3349.49	69,697	-188	2,438	0	35	0	0	2,681	0	1	21	46	
9	3350.00	70,176	479	2,988	0	35	2	1	2,493	0	0	-48	46	
10	3350.22	70,384	208	2,942	0	35	4	0	2,802	0	1	38	46	
11	3350.31	70,469	85	2,708	0	34	2	1	2,664	0	0	10	46	
12	3351.06	71,178	709	3,679	0	33	3	0	2,957	0	1	-42	44	
13	3350.95	71,074	-104	2,930	0	31	2	1	3,155	0	0	93	46	
14	3351.06	71,178	104	2,948	0	30	2	0	2,923	0	1	52	46	
15	3351.06	71,178	0	2,826	0	29	2	1	2,930	0	0	78	46	
16	3350.78	70,913	-265	2,796	0	28	3	0	3,039	0	1	-46	46	
17	3350.39	70,544	-369	2,962	0	28	2	1	3,351	0	0	-5	46	
18	3350.33	70,487	-57	2,921	0	28	3	0	3,018	0	1	16	22	
19	3350.16	70,327	-160	2,952	0	25	2	1	3,143	0	0	9	0	
20	3349.91	70,092	-235	2,892	0	24	2	1	3,054	0	1	-93	24	
21	3349.83	70,016	-76	2,596	0	23	2	0	2,752	0	0	59	40	
22	3349.07	69,304	-712	2,289	0	22	3	0	2,967	0	1	-52	40	
23	3349.04	69,276	-28	2,744	0	22	3	0	2,820	0	0	29	40	
24	3349.07	69,304	28	3,220	0	21	3	0	3,145	0	1	-64	40	
25	3349.72	69,913	609	3,637	0	20	2	1	3,203	0	0	158	40	
26	3350.31	70,469	556	3,838	0	20	3	0	3,281	0	1	-17	40	
27	3350.78	70,913	444	3,795	0	19	2	0	3,370	0	0	2	40	
28	3350.64	70,780	-133	3,201	0	19	3	0	3,375	0	0	25	40	
29	3350.31	70,469	-311	3,217	0	18	3	1	3,379	0	0	-163	40	
30	3350.00	70,176	-293	2,933	0	17	3	1	3,333	0	0	94	18	
Total				423	88,060	0	862	85	14	88,673	0	13	286	1,196

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

June 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
May 31	1587.25	125,126				
1	1587.17	124,944	-182		11	
2	1587.17	124,944	0		9	
3	1587.17	124,944	0		9	
4	1587.14	124,875	-69		10	
5	1587.14	124,875	0		9	
6	1587.12	124,829	-46		10	
7	1587.14	124,875	46		7	
8	1587.12	124,829	-46		11	
9	1587.12	124,829	0		9	
10	1587.12	124,829	0		9	
11	1587.12	124,829	0		8	
12	1587.06	124,693	-136		9	
13	1587.03	124,624	-69		9	
14	1587.01	124,579	-45		11	
15	1587.01	124,579	0		9	
16	1586.95	124,442	-137		10	
17	1587.01	124,579	137		9	
18	1587.01	124,579	0		9	
19	1587.00	124,556	-23		9	
20	1586.87	124,260	-296		10	
21	1587.01	124,579	319		9	
22	1587.01	124,579	0		9	
23	1586.92	124,374	-205		8	
24	1586.90	124,328	-46		9	
25	1586.87	124,260	-68		10	
26	1586.92	124,374	114		9	
27	1586.85	124,214	-160		10	
28	1586.81	124,124	-90		10	
29	1586.84	124,192	68		9	
30	1586.81	124,124	-68		9	
Total			-1,002	1,153	280	-1,875

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

Table 31. Governor Edmund G. Brown California Aqueduct
 Southern Field Division, Monthly Deliveries (East Branch)

June 2005

(In acre-feet)

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Table A Amount	Recreation	Article 21	Transfer	Local	
	No.	Structure	Mile							
17E	40	Edmonston Pumping Plant	293.45		140,016					
	41		298.65	Kern County Water Agency Tej.-Cas	Stub					
17F		Check No. 41	303.41							
18A	42		304.99	AVEK WA (Construction of TEA)	9					
		Check No. 42	304.99							
19	43	Alamo Powerplant	305.73	(Does not include 8117 AF flow down Cottonwood Chute)	91,100					
			308.05	Antelope Valley-East Kern WA	0					
		Check No. 43	309.70							
	44		311.84	LADWP Connection	0					
			313.50	AVEK 245th Street West	0					
		Check No. 44	314.81							
	45		314.93	AVEK 235th Street West	0					
			315.57	AVEK 225th Street West	0					
		Check No. 45	319.74							
	46		323.19	Antelope Valley-East Kern WA						
				Fairmont	792	792				
				Mojave Water Agency						
		Check No. 46	323.84	Fairmont	148	148				
				Reach 19 Total:	949	940	0	0	9	
20A	47	Check No. 47	326.77							
	48		326.91	Antelope Valley-East Kern WA						
			Willow Springs Siphon	106	106					
			329.65	Antelope Valley-East Kern WA	Removed					
	49	Check No. 48	330.82	120th Street West						
20B	49	Check No. 49	335.93							
	50		336.73	AVEK WA - Quartz Hill						
				(Wheeled for Palmdale WD)	0	4,794				
				Antelope Valley-East Kern WA	4,794	70				
			339.68	Antelope Valley-East Kern WA	70					
	50	Check No. 50	341.51							
	51		342.06	AVEK WA (Temporary)	60	60				
	51	Check No. 51	342.07							
21	52		342.80	Antelope Valley-East Kern WA	Not in Use					
		Check No. 52	343.74	30th Street West						
	53		346.98	PWD						
				Palmdale	1,018	1,018				
			348.14	Antelope Valley-East Kern WA						
				Acton Treatment Plant	123	123				
22A	54	Check No. 53	348.17							
	54	Check No. 54	350.25							
	55	Check No. 55	352.70							
	56	Check No. 56	354.76							
			354.97	Littlerock Creek I.D.	0					
	57	Check No. 57	356.93							
	58		357.60	Antelope Valley-East Kern WA	172	172				
			357.72	Antelope Valley-East Kern WA	0	508				
			359.76	96th Street East						
				Antelope Valley-East Kern WA						
				East Side Treatment Plant						

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

June 2005

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries							
	Beginning and Ending				Table A Amount	Recreation	Article 21	Transfer	Local			
	No.	Structure	Mile									
22B	58	Pearblossom Pumping Plant	360.61		88,136							
	59	Check No. 59	366.09									
	60		366.50	Antelope Valley-East Kern WA	0							
		Check No. 60	373.94									
	61	Check No. 61	379.00									
	62	Check No. 62	384.26									
	63		389.20	Mojave Water Agency								
				Mojave River	861							
	64		394.60	Mojave Water Agency								
				Temporary	0							
		Check No. 64	395.10									
	65	Check No. 65	400.32									
	66		401.10	Mojave Water Agency								
				Morongo 24" and 42"	305							
				Mojave Water Agency								
				Hesperia	0							
23		Check No. 66	403.41									
	67	Mojave Siphon	405.48	Las Flores Ranch	1,196							
24		Mojave Siphon Powerplant	405.65		88,060							
67	Silverwood Lake	407.65	Crestline Lake Arrowhead Water Agency	85								
			Calif. State Park									
	San Bernardino Tunnel Intake	407.70	Silverwood Agency (Rec.)	14								
25	26A	Devil Canyon Powerplant	412.73		88,673							
		Devil Canyon Afterbay Control Structures	412.88	MWD-SC Rialto	32,554							
28G				Desert Water Agency (MWD Wheeling Exchange)	3,810							
				Coachella Valley WD (MWD Wheeling Exchange)	3,300							
28H				MWD-EBX	12,686							
				East Branch Extension	3,236							
28J	69	Santa Ana Valley Pipeline	425.46									
			433.06	MWD-SC Box Springs	10,752							
			440.05	MWD-SC Perris Bypass Pipeline	21,910							
		Lake Perris	442.00	MWD-SC 18"	280							
			443.44	MWD-SC 54"	0							
				MWD-SC 78"	0							
				Calif. State Park								
				Lake Perris Recreation	0							
				MWD Total:	134,396	127,286	0	0	7,110	0		

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Stream Flow.

2/ Includes 2,407 AF to San Gabriel Valley MWD, 772 AF to San Bernardino Valley MWD, and 57 AF to San Gorgonio Pass WA.

Table 32. Water Quality At Selected SWP Locations

June 2005

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Banks Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct				Devil Canyon Afterbay Near San Bernardino
						O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	
Alkalinity	mg/l as CaCO ₃	38	127	41	39	44	43	55	42	68
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.003	<0.001	0.001	0.002	0.002	0.002	0.002	0.002
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.3	0.1	0.1	0.1	0.1	0.1	<0.1	0.2
Bromide	mg/l	<0.01	0.05	0.06	0.05	0.07	0.07	0.10	0.07	0.15
Calcium	mg/l	8	20	11	11	12	12	15	11	19
Carbon - Dissolved Organic	mg/l as C	NR	5	3	3	3	3	4	3	3
Carbon - Total Organic	mg/l as C	NR	7	4	5	5	5	4	5	5
Chloride	mg/l	1	22	20	17	24	24	36	22	54
Chromium	mg/l	<0.001	0.002	<0.001	0.001	0.002	0.001	0.002	0.002	0.002
Copper	mg/l	<0.001	0.002	<0.001	0.001	0.002	0.002	0.002	0.002	0.002
Fluoride	mg/l	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
Hardness	mg/l as CaCO ₃	32	120	48	44	55	55	66	48	89
Iron	mg/l	0.014	0.010	0.015	0.015	0.011	<0.005	0.006	0.010	0.006
Lead	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	3	17	5	4	6	6	7	5	10
Manganese	mg/l	<0.005	0.027	<0.005	<0.005	0.005	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l as N	0.01	0.13	0.57	NR	0.48	0.47	0.61	0.46	0.72
Phosphorus-Ortho	mg/l as P	<0.01	0.16	0.03	NR	0.10	0.11	<0.01	0.11	0.10
Phosphorus-Total	mg/l	0.01	0.24	0.14	NR	0.14	0.15	0.12	0.15	0.14
Selenium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
Sodium	mg/l	3	31	18	17	21	21	28	19	41
Specific Conductance	µS/cm	77	373	197	182	221	218	291	203	391
Sulfate	mg/l	2	31	20	19	22	21	27	19	39
Total Dissolved Solids	mg/l	48	207	113	108	124	124	161	118	NR
Turbidity	NTU	3	39	22	24	15	17	11	17	5
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

June 2005

Date	Antioch Tides (feet above mean sea level)		Flow In CFS		Electrical Conductivity in milliSiemens/cm								Cl in mg/l			
			Net Delta Outflow Index		Rio Vista	Antioch	Chipps Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal		
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	md	
38	1	3.05	1.25	50,149	50,149	34,725	0.15	0.00	0.14	0.13	0.15	0.17	0.40	0.70	0.13	30
	2	3.22	1.29	48,962	49,555	33,627	0.15	0.00	0.14	0.13	0.15	0.17	0.13	0.69	0.13	32
	3	3.38	1.41	47,997	49,036	32,752	0.15	0.00	0.13	0.13	0.15	0.16	0.13	0.65	0.14	34
	4	3.64	1.60	46,493	48,400	31,524	0.15	0.00	0.13	0.13	0.15	0.16	0.13	0.63	0.14	34
	5	3.84	1.71	41,535	47,027	28,944	0.15	0.00	0.13	0.13	0.14	0.16	0.14	0.58	0.15	32
	6	3.69	1.59	38,626	45,627	25,991	0.14	0.00	0.13	0.13	0.14	0.15	0.15	0.60	0.16	32
	7	3.54	1.43	35,734	44,214	24,036	0.13	0.00	0.14	0.13	0.14	0.15	0.16	0.59	0.16	30
	8	3.44	1.39	33,512	42,876	22,709	0.14	0.00	0.14	0.13	0.14	0.15	0.17	0.54	0.16	30
	9	3.25	1.35	31,156	41,574	22,418	0.14	0.00	0.14	0.14	0.14	0.15	0.19	0.54	0.17	28
	10	3.08	1.40	30,211	40,437	21,989	0.14	0.00	0.14	0.14	0.14	0.15	0.20	0.57	0.18	30
	11	2.95	1.41	30,530	39,537	23,173	0.14	0.00	0.14	0.14	0.14	0.15	0.19	0.56	0.18	26
	12	2.46	1.17	31,535	38,870	25,078	0.14	0.00	0.14	0.14	0.14	0.15	0.19	0.59	0.18	30
	13	2.09	1.03	32,407	38,373	26,550	0.14	0.00	0.15	0.14	0.14	0.14	0.20	0.65	0.19	30
	14	2.43	1.09	30,815	37,833	26,125	0.14	0.00	0.15	0.14	0.14	0.14	0.19	0.63	0.20	22
	15	2.74	1.06	28,595	37,217	24,955	0.14	0.15	0.15	0.14	0.14	0.14	0.19	0.60	0.20	20
	16	3.00	1.10	26,368	36,539	23,553	0.14	0.30	0.15	0.14	0.14	0.14	0.19	0.63	0.20	18
	17	3.18	1.09	24,405	35,825	22,846	0.14	0.30	0.14	0.14	0.14	0.14	0.19	0.73	0.22	17
	18	3.18	1.14	25,335	35,242	23,676	0.14	0.37	0.14	0.14	0.14	0.14	0.20	0.70	0.22	15
	19	3.49	1.27	26,134	34,763	24,702	0.15	0.39	0.14	0.14	0.14	0.14	0.20	0.66	0.23	15
	20	3.68	1.42	26,747	34,362	24,949	0.15	0.43	0.14	0.14	0.14	0.14	0.21	0.61	0.24	15
	21	3.99	1.63	30,728	34,189	24,761	0.15	0.45	0.14	0.14	0.14	0.14	0.24	0.55	0.25	14
	22	4.15	1.61	30,583	34,025	24,140	0.16	0.41	0.14	0.14	0.14	0.14	0.27	0.50	0.26	13
	23	4.07	1.66	22,194	33,511	22,602	0.15	0.33	0.14	0.14	0.14	0.14	0.27	0.48	0.28	16
	24	4.03	1.67	19,079	32,910	20,334	0.16	0.37	0.14	0.14	0.14	0.14	0.23	0.44	0.26	16
	25	3.79	1.64	16,354	32,247	16,361	0.16	0.37	0.14	0.14	0.14	0.14	0.22	0.42	0.24	14
	26	3.39	1.52	14,619	31,569	12,253	0.16	0.29	0.15	0.14	0.14	0.14	0.23	0.42	0.25	14
	27	2.87	1.37	13,707	30,908	11,779	0.16	0.25	0.15	0.14	0.14	0.14	0.23	0.44	0.26	13
	28	2.85	1.13	12,828	30,262	11,320	0.15	0.23	0.15	0.14	0.14	0.14	0.23	0.47	0.28	12
	29	3.16	1.12	12,721	29,657	11,518	0.15	0.24	0.15	0.14	0.14	0.14	0.22	0.52	0.30	12
	30	3.44	1.28	11,627	29,056	10,811	0.16	0.40	0.15	0.14	0.14	0.14	0.23	0.52	0.28	12

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

f = Excess Delta conditions with fish concerns.

N.R. = No Record.

N.C. = Not computed due to insufficient data.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

June 2005

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
NORTH BAY AQUEDUCT BARKER SLOUGH PUMPING	June 15, 2005	Metolachlor Simazine	0.10 0.02
HARVEY O.BANKS DELTA PUMPING PLANT	June 15, 2005	Metolachlor	0.10
O'NIELL FOREBAY OUTLET CHECK 13	June 14, 2005	Metolachlor	0.10
DELTA MENDOTA CANAL UPSTREAM OF McCABE ROAD	March 16, 2005	Diuron Simazine	0.48 0.05
CALIFORNIA AQUEDUCT NEAR KETTLEMAN CITY (CK 21)	June 14, 2005	Metolachlor Simazine	0.10 0.02
CALIFORNIA AQUEDUCT NEAR HYW 119 (CHECK 29)	June 21, 2005	Metolachlor Simazine	0.10 0.03
CALIFORNIA AQUEDUCT AT TEHACHAPI AFTERBAY (CK 41)	June 15, 2005	Metolachlor Simazine	0.10 0.02
DEVIL CANYON HEAD WORKS	June 15, 2005	Simazine Simazine	0.05 0.02

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)		June 2005						
Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	8,814,800	0	21,200	27,980	2,198,670	2,198,670	355,450	810
2	7,917,580	0	34,900	29,600	1,916,870	1,916,870	393,330	810
3	6,332,560	0	38,190	30,390	1,904,840	1,904,840	396,130	810
4	7,873,900	750	32,760	26,240	1,922,500	1,922,500	423,240	810
5	2,769,380	2,310	33,590	30,220	2,968,860	2,968,860	412,370	810
6	6,553,340	980	32,560	30,520	2,569,460	2,569,460	436,930	820
7	7,690,240	2,710	31,660	29,170	2,931,780	2,931,780	453,080	800
8	9,527,440	2,930	31,030	28,110	3,243,530	3,243,530	480,700	800
9	9,666,390	1,390	26,800	25,320	3,611,830	3,611,830	467,800	810
10	10,323,150	0	30,780	28,100	3,654,950	3,654,950	480,350	810
11	9,814,360	0	27,310	24,970	3,712,700	3,712,700	493,830	790
12	2,919,760	290	31,280	28,820	3,789,870	3,789,870	448,010	800
13	8,662,120	60	28,720	26,650	3,654,860	3,654,860	428,900	800
14	7,566,470	120	28,830	27,410	3,597,710	3,597,710	430,920	800
15	5,246,870	4,260	32,170	26,440	3,551,860	3,551,860	481,500	800
16	7,572,470	4,430	29,960	25,800	3,274,090	3,274,090	495,210	800
17	11,527,430	0	28,730	25,130	3,330,030	3,330,030	484,180	810
18	10,704,080	0	30,980	26,400	3,333,360	3,333,360	486,160	830
19	10,249,650	0	28,980	23,680	3,319,270	3,319,270	470,510	820
20	9,917,800	5,760	34,650	29,470	2,796,710	2,796,710	368,060	810
21	8,149,160	6,570	37,080	29,210	673,980	673,980	296,550	800
22	6,743,120	8,820	37,970	30,350	18,260	18,260	324,160	800
23	8,233,870	7,730	36,950	29,960	4,187,590	4,187,590	413,380	830
24	6,367,530	0	35,900	29,630	3,773,450	3,773,450	454,290	860
25	6,783,990	7,670	37,300	29,760	3,693,580	3,693,580	492,000	860
26	2,430,950	17,520	38,170	27,030	3,663,250	3,663,250	491,090	860
27	4,801,290	15,500	32,710	30,370	3,604,260	3,604,260	506,820	840
28	4,667,860	11,530	41,740	31,950	3,630,130	3,630,130	468,250	820
29	7,670,210	9,270	39,320	31,650	3,648,110	3,648,110	516,480	820
30	6,768,990	4,210	38,200	31,080	3,587,420	3,587,420	519,330	830
Total	224,266,760	114,810	990,420	851,410	91,763,780	91,763,780	13,369,010	24,470

Table 36. San Luis Field Division Energy Data

(in kWh)

June 2005

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	2,180,330	1,684,330	869,640	165,640	6,600	6,600
2	2,290,550	1,794,550	1,140,900	1,140,900	1,783,700	-16,300
3	2,322,070	1,826,070	2,307,170	2,307,170	1,276,590	20,590
4	2,465,730	1,969,730	2,219,340	2,219,340	324,990	12,990
5	2,118,770	1,614,770	365,520	365,520	12,280	12,280
6	2,345,790	1,849,790	1,289,570	1,289,570	8,510	8,510
7	2,193,640	1,697,640	375,440	375,440	12,470	12,470
8	2,578,730	1,682,730	1,034,620	260,620	12,550	12,550
9	2,535,250	1,639,250	712,400	24,400	6,780	6,780
10	2,696,070	1,800,070	1,139,810	580,810	640,560	640,560
11	2,593,180	1,697,180	757,420	198,420	325,860	325,860
12	2,464,170	1,576,170	856,760	856,760	868,750	868,750
13	2,330,870	1,434,870	522,400	307,400	1,427,240	1,427,240
14	2,821,660	1,925,660	856,170	555,170	328,990	328,990
15	3,060,820	2,028,820	2,303,200	927,200	383,740	383,740
16	2,984,770	1,952,770	3,521,470	1,457,470	6,610	6,610
17	2,999,520	1,783,520	2,502,170	438,170	6,510	6,510
18	2,598,570	1,382,570	1,881,360	-182,640	6,510	6,510
19	2,380,590	1,156,590	0	0	18,700	18,700
20	2,059,190	843,190	1,641,350	361,350	573,340	573,340
21	2,218,470	1,002,470	1,865,570	-54,430	6,690	6,690
22	2,264,630	1,048,630	2,123,260	1,483,260	6,850	6,850
23	2,532,250	1,316,250	1,537,060	257,060	6,800	6,800
24	2,876,370	1,908,370	1,247,500	-32,500	6,720	6,720
25	2,383,170	1,415,170	1,235,820	-44,180	263,620	263,620
26	2,470,270	1,510,270	0	0	557,500	557,500
27	2,112,770	1,144,770	1,212,070	-67,930	6,910	6,910
28	2,212,380	1,244,380	588,020	-51,980	326,480	326,480
29	2,315,470	1,347,470	0	0	1,144,100	1,144,100
30	2,364,920	1,396,920	0	0	877,160	877,160
Total	73,770,970	46,674,970	36,106,010	15,138,010	11,234,110	7,866,110

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Pumping Plant Energy Load Data

(in kWh)

June 2005

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devil's Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	38,800	100,740	63,290	60,670	63,990	1,248,860	1,278,780	2,761,570	10,074,780
2	40,580	106,160	69,890	67,180	70,030	1,271,220	1,296,620	2,788,310	10,161,100
3	40,970	107,590	77,880	74,610	77,920	1,320,330	1,346,270	2,884,840	10,273,280
4	45,010	119,920	65,850	62,730	65,490	1,279,030	1,303,010	2,823,320	10,251,870
5	38,670	103,240	87,150	82,340	87,420	1,593,800	1,713,640	3,800,310	14,088,550
6	39,160	100,710	50,130	48,070	51,240	1,209,460	1,276,690	2,743,800	10,146,060
7	38,600	101,810	62,040	60,280	63,270	1,285,690	1,314,170	2,794,680	10,159,180
8	43,030	113,110	79,540	77,880	78,730	1,367,800	1,381,960	2,990,910	10,727,500
9	39,150	103,190	61,980	59,470	61,560	1,252,850	1,291,700	2,727,760	9,980,200
10	40,930	107,050	72,480	71,190	72,320	1,316,620	1,319,430	2,853,240	10,314,490
11	50,030	132,100	76,740	74,150	76,360	1,334,660	1,344,610	2,908,760	10,577,570
12	45,450	121,590	83,730	80,770	85,820	1,262,910	1,388,050	3,051,950	11,233,890
13	33,190	86,480	49,540	46,220	49,470	1,025,280	1,052,700	2,240,840	8,219,370
14	39,490	103,490	89,590	88,950	87,390	1,365,970	1,358,060	2,894,690	10,372,730
15	38,730	101,440	82,940	82,690	83,490	1,269,580	1,229,400	2,638,950	9,632,820
16	40,160	105,200	77,560	76,070	76,990	1,291,240	1,336,660	2,861,170	10,259,730
17	38,870	100,580	77,790	76,060	77,800	1,278,860	1,296,620	2,765,570	10,037,570
18	47,320	124,710	82,610	80,290	81,800	1,205,200	1,234,810	2,642,220	9,646,880
19	46,530	122,730	80,560	76,240	80,800	1,481,360	1,535,130	3,394,940	12,327,710
20	37,820	95,970	55,210	52,070	55,060	1,104,600	1,221,180	2,625,110	9,377,690
21	40,210	104,170	71,170	68,200	71,820	1,239,060	1,227,940	2,597,090	9,410,900
22	40,840	107,760	77,360	74,130	76,180	1,194,670	1,200,270	2,567,270	9,318,510
23	38,250	100,750	77,250	75,680	77,620	1,392,530	1,424,130	3,056,360	10,999,640
24	42,430	111,020	79,570	80,810	82,040	1,553,700	1,531,700	3,349,270	11,968,560
25	57,420	150,330	92,850	87,860	89,420	1,566,460	1,643,260	3,553,460	13,115,440
26	43,120	115,170	80,220	76,550	81,230	1,748,100	1,868,370	4,129,180	15,225,680
27	34,260	87,980	53,670	50,760	54,340	1,406,120	1,505,870	3,287,160	12,017,240
28	41,110	107,000	74,510	72,040	74,400	1,386,210	1,404,560	3,012,480	10,952,230
29	41,620	109,410	75,670	72,880	76,200	1,449,950	1,479,470	3,220,470	11,391,060
30	38,870	102,720	80,090	77,750	79,970	1,357,710	1,414,330	3,039,440	10,930,870
Total	1,240,620	3,254,120	2,208,860	2,134,590	2,210,170	40,059,830	41,219,390	89,005,120	323,193,100

Table 38. Southern Field Division Energy Data

(in kWh)

June 2005

Date	West Branch			East Branch				East Branch Extension		
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation 1/	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Green Spot Pumping Plant	Crafton Hills Pumping Plant	Cherry Valley Pumping Plant
1	458,644	1,061,820	1,200,000	290,269	1,639,292	3,300,178	196,835	16,343	19,615	985
2	450,218	1,056,680	1,200,000	301,691	1,631,884	3,148,042	207,011	16,215	15,567	853
3	507,099	1,078,050	1,200,000	284,879	1,475,723	3,474,337	157,931	579	595	478
4	450,812	880	1,200,000	302,126	1,626,181	3,198,398	190,229	570	556	469
5	478,871	0	1,200,000	425,702	2,573,888	3,161,195	303,165	560	546	469
6	449,376	1,024,000	1,200,000	304,816	1,747,926	3,253,115	239,715	16,686	22,284	1,004
7	407,475	1,152,600	1,200,000	313,608	1,774,247	3,275,643	216,762	16,863	22,046	891
8	407,881	964,620	1,200,000	347,627	1,680,837	3,238,568	187,253	579	546	732
9	392,475	1,049,640	1,200,000	306,280	2,014,526	3,053,906	246,915	540	526	788
10	392,426	1,053,490	1,200,000	323,952	1,870,020	3,416,733	233,445	16,627	21,976	1,022
11	341,475	870	1,200,000	334,988	1,904,108	3,199,970	214,339	550	546	441
12	131,188	0	1,200,000	424,773	2,521,765	3,571,173	295,045	560	546	488
13	194,069	707,680	1,080,000	320,936	1,992,712	3,779,618	237,460	16,225	21,252	1,013
14	314,040	830,230	1,080,000	376,839	1,931,286	3,524,189	234,454	678	615	572
15	283,644	863,870	1,080,000	339,883	1,875,384	3,501,206	223,794	629	585	722
16	254,178	883,720	1,080,000	366,851	1,990,887	3,656,240	221,133	14,398	19,139	1,032
17	255,515	838,710	1,080,000	366,604	2,053,170	4,008,406	234,602	599	575	506
18	295,634	893,910	1,080,000	358,663	1,968,345	3,651,632	236,155	3,703	566	478
19	505,832	0	1,080,000	397,271	2,058,534	3,790,526	236,847	2,720	575	497
20	280,228	861,290	1,200,000	343,859	1,997,358	3,639,171	233,525	17,855	20,528	1,257
21	383,208	1,083,530	1,200,000	318,869	1,509,043	3,340,259	206,804	17,030	22,254	1,304
22	283,139	867,360	1,560,000	337,193	1,787,577	3,541,604	174,001	737	635	525
23	454,129	1,192,900	1,560,000	356,379	1,874,018	3,401,958	217,731	3,781	645	947
24	454,752	1,205,150	1,560,000	400,613	2,150,947	3,794,996	260,542	25,584	29,170	1,013
25	474,030	1,191,590	1,560,000	424,723	2,410,000	3,812,460	290,071	2,966	595	497
26	562,822	0	1,560,000	425,801	2,677,667	3,930,785	295,580	2,308	575	497
27	417,594	1,066,080	1,560,000	387,698	2,326,002	4,016,080	292,860	20,242	22,046	1,154
28	280,851	621,690	1,560,000	394,244	2,237,876	4,039,606	258,515	20,055	22,869	985
29	404,584	1,120,480	1,560,000	388,252	2,147,916	4,053,521	260,018	2,396	615	1,079
30	398,950	1,120,870	1,560,000	356,082	1,903,330	3,971,707	232,397	727	655	1,069
Total	11,365,139	23,791,710	38,400,000	10,621,470	59,352,453	106,745,223	7,035,136	239,305	269,243	23,767

1/ Energy delivered to SWP by LADWP at Sylmar substation; not necessarily related to actual Castaic operations